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MINNESOTA DEPARTMENT of HEALTH

MINNESOTA

HEALTH STATISTICS

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FOREWORD

Minnesota Health Statistics 1982 was prepared by the Minnesota Center for Health Statistics of the Minnesota Department of Health and is the 32nd annual summary of vital statistics published by the Department. The document also responds, in part, to the requirements of a contract held with the United States Department of Health, Education, and Welfare to establish and implement a cooperative health statistics program for Minnesota.

The basic data for Minnesota Health Statistics 1982 were obtained from Birth, Death, Fetal Death, Marriage, and Divorce certificates and/or reports filed with the Section of Vital Statistics Registration within the Department during calendar year 1982.

If you have suggestions concerning the report format, queries concerning the data formulae used in developing the statistics, or if you have requests for additional statistics please contact:

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TABLE OF CONTENTS

Page

Technical Notes 1

    Sources of Data 1
    Data Quality 2
    Geographic Allocation 4
    Definition of Rates 5

Overview of 1982 Vital Statistics 7

Live Births 17

Infant Mortality and Fetal Deaths 35

General Mortality 39

Marriage and Divorce 65

Occupational Illness and Injury 73

Population 81

Appendices 97

    A. Definitions 99

    B. Other Related Publications 105

    C. Data Collection Instruments 109

    D. Map of Health Districts and Offices 117

    E. Comparability Ratios According to the Ninth and Eighth
       Revisions of the International Classification of Diseases . . 121

LIST OF TABLES

Table Page

1 Percent Changes Between 1981 and 1982 Selected Minnesota Health Statistics 9

2 Crude Rates of Vital Events, Minnesota vs. United States, 1950, 1960, 1970, 1980-1982 10

3 Births, Deaths, Infant Deaths, Fetal Deaths, Marriages, Divorces and Annulments by Month, Minnesota Occurrences, 1982 11

4 Live Births, Fetal Deaths, Deaths, Infant Deaths, and Neonatal Deaths by Urban Area of Residence, Minnesota, 1982 . . 12

5 Live Births by County of Occurrence Distributed According to Residence, Resident Live Births Distributed According to Place of Birth, Minnesota, 1982 20

6 Selected Resident Natality Statistics by County and Cities Over 90,000, Minnesota, 1982 22

7 Live Birth Weight by Live Birth Order and Sex, Minnesota Residents, 1982 32

8 Live Births by Age of Mother and Live Birth Order, Minnesota Residents, 1982 33

9 Prenatal Care and Race by Age of Mother and by Legitimacy Status, Minnesota Residents, 1982 34

10 Infant, Neonatal and Postneonatal Deaths by Cause, Minnesota Residents, 1982 37

11 Fetal Deaths of 20 Weeks and Over by Cause and Weight of Fetus, Minnesota Residents, 1982 38

12 Deaths by County of Occurrence According to Residence: Resident Deaths Distributed According to Place of Death, Minnesota, 1982 42

13 Deaths From Selected Causes by Age Group and Sex, Minnesota Residents, 1982 44

14 Deaths Due to Selected Causes by Race, Minnesota Residents, 1982 49

15 Fifteen Leading Causes of Death, Death Rates Per 100,000 Population and Percent of Total Deaths, Minnesota Residents, 1982 50

LIST OF TABLES (CONT.)

Table Page

16 Leading Causes of Death by Selected Age Groups, Minnesota Residents, 1982 51

17 Accident Fatalities Occurring in Minnesota by Accident Category and Age Group, 1981-1982 52

18 Deaths Occurring in Minnesota by Cause and Autopsy Status, 1982 53

19 Selected Resident Mortality Statistics by County and Cities Over 90,000, Minnesota, 1982 54

20 Marriages Reported in Minnesota by State of Residence, 1982 . . 67

21 Marriages, Divorces, and Annulments by County of Occurrence, Minnesota, 1982 68

22 Marriages Occurring in Minnesota by Race of Bride and Groom, 1982 70

23 Marriages Occurring in Minnesota by Age of Bride and Groom, 1982 71

24 Divorces and Annulments by Age of Husband and Wife, Minnesota, 1982 72

25 Estimated Number of Injuries and Illnesses by Major Industrial Category, Minnesota, 1981 and 1982 75

26 Annual Average Employment, Percent of Total Employment and Rate of Occupational Injuries and Illnesses Per 1,000 Workers by Industrial Category, Minnesota, 1981 and 1982 76

27 Estimated Number of Injuries and Illnesses by Major Occupational Category, Minnesota, 1981 and 1982 77

28 Estimated Number of Occupational Injuries and Illnesses by Type of Accident, Minnesota, 1981 and 1982 78

29 Estimated Number of Occupational Injuries and Illnesses by Nature of Injury, Minnesota, 1981 and 1982 79

30 Estimated Number of Occupational Injuries and Illnesses by Part of Body Injured, Minnesota, 1981 and 1982 81

31 Population Estimates by Region, County, Cities Over 90,000, Age and Sex, Minnesota, 1982 85

LIST OF TABLES (CONT.)

Table Page

32 Comparable Category Numbers and Estimated Comparability Ratios for 72 Selected Causes of Death According to the Ninth and Eighth Revisions 122

33 Comparable Category Numbers and Estimated Comparability Ratios for 10 Selected Causes of Infant Deaths According to the Ninth and Eighth Revisions 124

LIST OF FIGURES

Figure Page

1 Certificate of Death 111

2 Certificate of Live Birth 112

3 Certificate of Fetal Death 113

4 Report of Induced Abortion 114

5 First Report of Injury 115

6 Map of Health Districts and Offices 119

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TECHNICAL NOTES

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A. SOURCES OF DATA

Vital Events

Birth, death, and fetal death certificates are the source documents for data on vital events of Minnesota residents during the 1982 calendar year. A copy of each of these types of certificates is included in Appendix C, Figures 1-3, pages 111-113. Marriage and divorce data are compiled from transmittal documents which are received from each county.

The cut-off date for 1982 vital events data in this report was August 1, 1983. Any data pertaining to a 1982 event for which a certificate was filed after August 1, 1983 are not included in this report. It is possible that future data obtained from the MCHS may differ slightly from that which appears in this report. If this should occur, it is due to an update to the 1982 data year which was made after the August 1 deadline.

Events relating to Minnesota residents which occurred in another state are included in this report.[1] The inclusion of these data is made possible by an agreement among all registration areas in the United States for resident exchange of copies of certificates.

Birth and fetal death certificates are usually completed by hospital personnel present at the delivery. Death certificates are usually completed by hospital personnel, physicians, and funeral directors.

Population

The 1982 population data used in this publication (by age, sex and county) are estimates calculated by the Minnesota Center for Health Statistics. The estimates are calculated using the following procedures:

1) The 1981 population estimates are used as a starting point for the 1982 estimates. Data are aggregated by county, sex, and single year of age.

2) The estimates are modified to account for natural increase. The entire population is aged one year from 1981. Then, 1981 births are added in as the 1982 infants (less than one year of age). Also, 1981 deaths are subtracted from the 1981 population by age, sex and county.

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[1] No marriage and divorce reports are included in the interstate exchange program for vital events. Hence all marriage and divorce data are Minnesota occurrences.

3) The preliminary estimates from step 2 are adjusted to agree with the total county estimates developed by the State Demography Unit of the Minnesota Department of Energy, Planning and Development.

Occupational Injuries and Illnesses

The basic source document for the Supplementary Data System (SDS) of occupational injuries and illnesses is the "First Report of Injury" submitted by employers to the Minnesota Department of Labor and Industry, Worker's Compensation Division. A copy of "First Report of Injury" is included in Appendix C, Figure 5, page 115.

The Supplementary Data System covers all employees in the state who fall within the scope of the Worker's Compensation Act. This excludes railroads in interstate commerce, certain farm operations, casual employment not in the usual course of trade or business, and household workers earning less than $500 per quarter. Any work-related illnesses or injuries which cause a loss of three or more days of work are required to be reported.

B. DATA QUALITY

Vital Events

The quality of data presented in this report is directly related to the completeness and accuracy of the information contained on the certificates. The MDH works to ensure that the information received is as complete and accurate as possible, and maintains two major program operations related to improving the quality of information received on certificates.

The query program is a system used to check back with hospital personnel, funeral directors, and/or physicians concerning incomplete or conflicting information. The follow-up contact is usually done by telephone and is based both on a manual and computer editing procedure.

The field program attempts to improve certificate information by educating the participants in the vital registration system, i.e., hospital personnel, funeral directors, physicians, etc., of the uses and importance of vital statistics data. The field program completes this mission by conducting seminars with various associations representing the types of individuals listed above. In addition to regularly scheduled seminars, the field representative makes site visits when problems with registration relating to a particular area or institution are discovered.

The National Center for Health Statistics (NCHS) monitors Minnesota's coding of statistical data. NCHS has established a two percent upper limit for coding difference involving any one data item, with the exception of cause of death. A five percent limit is established for this item due to the complexity of the coding process.

Please note that some of the tables which include cause of death were modified slightly in 1979 to accommodate changes resulting from the adoption of a revised cause of death coding scheme — The Ninth Revision of the International Classification of Diseases (ICD). The vast majority of cause of death categories remain comparable with previous years' tables. However, changes in definitions of rheumatic heart disease, nephritis and nephrosis, and hypertensive heart between the Eighth Revision of the ICD and the Ninth Revision have caused noticeable differences in the numbers of deaths attributed to those categories between 1978 and 1982. Please refer to Appendix E, pages 122 through 124 for comparability ratios for selected cause of death categories according to the Eighth and Ninth revisions pertaining to all ages (Table 1) and infants only (Table 2).

Due to a modification of the birth certificate, the item "Other Significant Conditions of Child" is presently coded to include all conditions of significance to the child at birth and is not limited to birth injuries as was the case prior to 1981. Please note that tables of selected natality statistics will reflect this change in definition and that statistics pertaining to this item show major increases since 1980.

Population

The 1982 population estimates used are the only known source of population data by age group, sex and county available at the time of publication of this report. In 1980, the census data were used to estimate the state population. These data were considered to be highly accurate due to various checking and follow-up procedures. The 1981 and 1982 estimates are postcensal estimates, and a modified version of the cohort-component method was used to obtain them. This is an established method of estimating population and is normally very accurate if birth, death, census and migration data are of good quality. Although these estimates are not as accurate as an actual census, they are still very useful estimators of the actual population of Minnesota. All rates in this publication have been calculated using these 1982 population estimates as a denominator.

Occupational Injuries and Illnesses

Nature of Injury or Illness, Source of Injury or Illness, Type of Accident and Part of Body affected are coded according to ANSIZ 16.2--1962 "Method of Recording Basic Facts Relating to the Nature and Occurrence of Work Injuries." Occupations are coded using Census Bureau Codes. Industries are coded using four digit Standard Industry Classification Codes.

The quality of occupational injuries and illnesses estimates is related to the completeness and the accuracy of coding the "First Report of Injury" as well as the validity of the sampling technique employed in deriving the estimates. Extensive input editing by computer entry programs is performed on basic codes. Also, periodic reviews by Regional

Bureau of Labor Statistics personnel are performed to audit the coding function.

It should be noted here that estimates of occupational injuries and illnesses were based on a sampling ratio (1:3) where each record was multiplied by three to provide the 1982 estimate.

C. GEOGRAPHIC ALLOCATION

Vital Events

Vital events can be classified geographically in two ways. The first way is by place of occurrence, i.e., the actual state, county and minor civil division in which the birth or death took place. The second and more customary way is by place of residence, i.e, the state, county and minor civil division stated to be the usual residence of the decedent in the case of deaths or of the mother in the case of a newborn. Fetal deaths and infant deaths, in cases where the child was never discharged from the hospital, are classified to the residence of the mother.

While occurrence statistics are accurate and have both administrative value and some statistical importance, residence statistics are by far the more useful tool when constructing health indices for planning and evaluation purposes. The statistics provided in this report are residence data unless otherwise stated.

Allocation of vital events by place of residence is sometimes difficult, because classification depends entirely on the statement of the usual place of residence furnished by the informant at the time the original certificate is completed. For various reasons, this statement may be incorrect or incomplete. For example, mailing addresses very often differ from the actual geographic residence.

Where the mailing address is a rural delivery number or when an unincorporated place is given as the place of residence, it is seldom possible to allocate the event to a specific township or the correct minor civil division, if this information is not supplied. How often incorrect information on residence is recorded is not known, but it is generally due to lack of information concerning the exact location of residence or misunderstanding of the question on the part of the informant.

This problem is applicable generally only to minor civil division level data. Resident counts for the state as a whole are, for all practical purposes, very accurate. County resident figures are substantially correct and can be used with a high degree of confidence .

Each of Minnesota's 87 counties is classified into one of eight health districts, the borders of which can be made to correspond to a Health Systems Agency (HSA). The Health Systems Agencies, established under PL 93-641, are regional agencies designated for geographic locations for the planning and development of health services. Some data presented in this report are aggregated by MDH health district. Appendix D is a map showing the county distribution of the health districts and health service areas in Minnesota.

Population

The 1982 population estimates by age group and sex are available at the state and county level, as well as estimates for Minneapolis, St. Paul and Duluth. Estimates of the 1982 population of every city and township outside the seven-county Twin Cities Metropolitan Area were created by the Office of the State Demographer. These estimates, however, are not broken down by age group or sex. In addition, estimates of population of cities and townships inside the seven-county Twin Cities Metropolitan Area were created by the Metropolitan Council.

D. DEFINITIONS OF RATES

Absolute counts of health-related events do not readily lend themselves to analysis and comparison between years and between various geographic areas because of population differences. These demographic differences include total number, age and sex distributions, and ethnic or racial differentials. In order to assess the health status of a particular population at a specified time, the absolute number of events is converted to a relative number such as a probability of living or dying, a rate, a ratio, or an index. This conversion is made by relating the crude number of events to the living population at risk in a particular area at a specified time.

The following types of rates are used in this report:

CRUDE BIRTH RATE: Number of live births per 1,000 population.

FERTILITY RATE: Number of live births to mothers in a specified age group per 1,000 females aged 15-44.

NEONATAL DEATH RATE: Number of infants dying under 28 days of age per 1,000 live births.

INFANT DEATH RATE: Deaths under one year of age per 1,000 live births.

PERINATAL DEATH RATE: Number of fetal deaths of 20 weeks or more gestation plus the number of neonatal deaths (deaths to infants under 28 days of age) per 1,000 live births.

CRUDE DEATH RATE: Number of deaths per 1,000 population.

AGE/CAUSE SPECIFIC DEATH RATE: Number of deaths from a specified cause within a specified age group per 100,000 population in the same age group.

AGE/SEX ADJUSTED DEATH RATE: Total rates for counties and cities are adjusted for age and sex on the basis of the state population.

SEX ADJUSTED-AGE SPECIFIC DEATH RATE: Specific age group rates for counties and cities have been adjusted for sex on the basis of the state population for the specific age group.

OCCUPATIONAL INJURY AND ILLNESS RATE: See page 76.

Overview of Vital Statistics

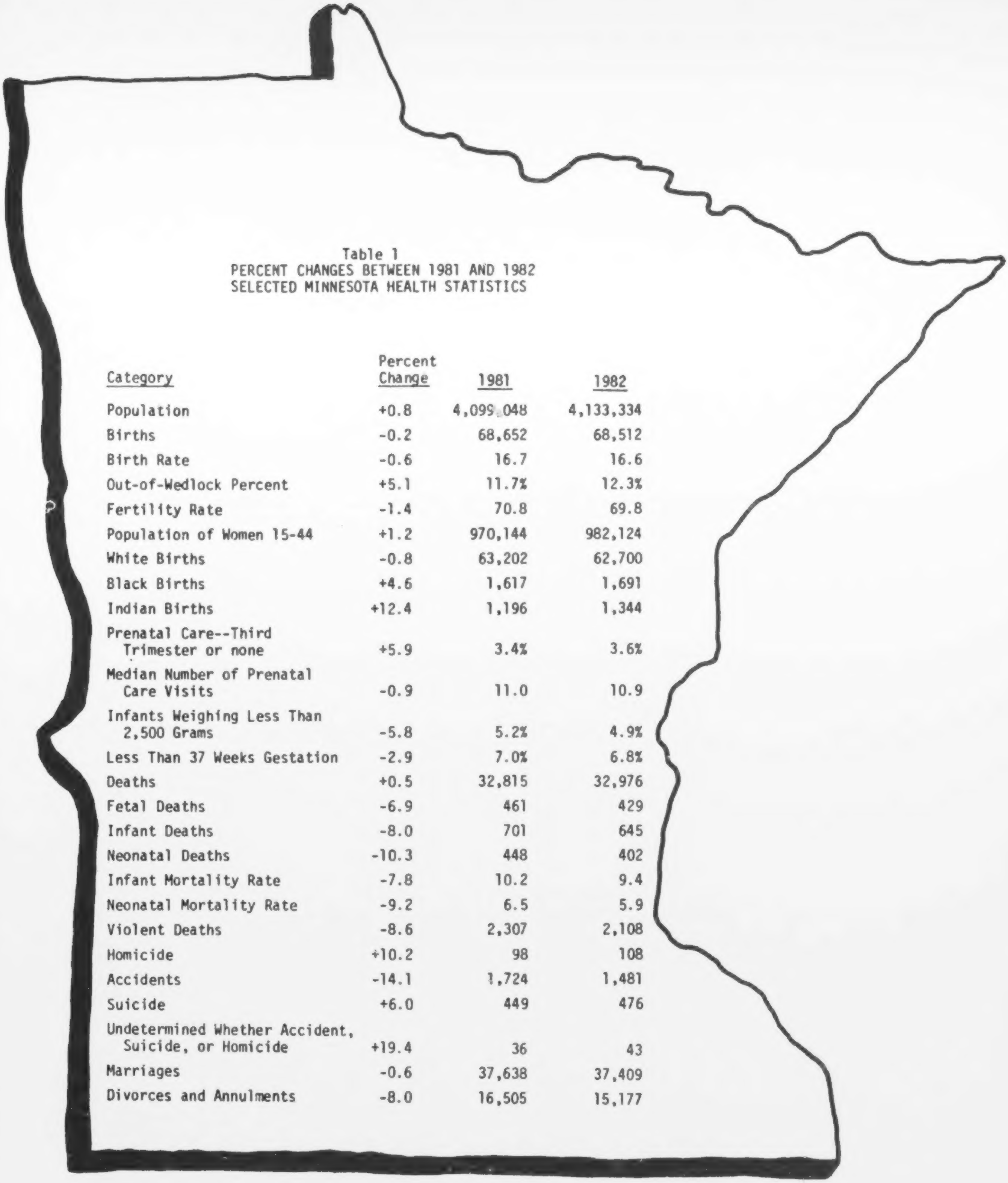

Table 1
PERCENT CHANGES BETWEEN 1981 AND 1982
SELECTED MINNESOTA HEALTH STATISTICS

Category	Percent Change	1981	1982
Population	+0.8	4,099,048	4,133,334
Births	-0.2	68,652	68,512
Birth Rate	-0.6	16.7	16.6
Out-of-Wedlock Percent	+5.1	11.7%	12.3%
Fertility Rate	-1.4	70.8	69.8
Population of Women 15-44	+1.2	970,144	982,124
White Births	-0.8	63,202	62,700
Black Births	+4.6	1,617	1,691
Indian Births	+12.4	1,196	1,344
Prenatal Care--Third Trimester or none	+5.9	3.4%	3.6%
Median Number of Prenatal Care Visits	-0.9	11.0	10.9
Infants Weighing Less Than 2,500 Grams	-5.8	5.2%	4.9%
Less Than 37 Weeks Gestation	-2.9	7.0%	6.8%
Deaths	+0.5	32,815	32,976
Fetal Deaths	-6.9	461	429
Infant Deaths	-8.0	701	645
Neonatal Deaths	-10.3	448	402
Infant Mortality Rate	-7.8	10.2	9.4
Neonatal Mortality Rate	-9.2	6.5	5.9
Violent Deaths	-8.6	2,307	2,108
Homicide	+10.2	98	108
Accidents	-14.1	1,724	1,481
Suicide	+6.0	449	476
Undetermined Whether Accident, Suicide, or Homicide	+19.4	36	43
Marriages	-0.6	37,638	37,409
Divorces and Annulments	-8.0	16,505	15,177

Table 2
CRUDE RATES* OF VITAL EVENTS
MINNESOTA VS UNITED STATES
1950, 1960, 1970, 1980-1982

	1982**	1981	1980	1970	1960	1950
Birth Rate						
United States	16.0	15.8	15.9	18.4	23.7	24.1
Minnesota	16.6	16.7	16.6	18.0	25.6	25.2
Death Rate						
United States	8.6	8.6	8.8	9.5	9.5	9.6
Minnesota	8.0	8.0	8.2	8.9	9.3	9.4
Infant Mortality Rate						
United States	11.2	11.9	12.6	20.0	26.0	29.2
Minnesota	9.4	10.2	10.0	17.6	21.5	25.0
Marriage Rate						
United States	10.8	10.6	10.6	10.6	8.5	11.1
Minnesota	9.1	9.2	9.2	8.2	6.9	10.4
Divorce Rate						
United States	5.1	5.3	5.2	3.5	2.2	2.6
Minnesota	3.7	4.0	3.7	2.2	1.2	1.4

* All rates are calculated per 1,000 population except infant deaths which are calculated per 1,000 live births.

** United States rates for 1982 are provisional.

SOURCE: Monthly Vital Statistics Report, Vol. 31, No. 13; Vol. 32, No. 9 and 9(2), No. 11; Vol. 33, No. 3, National Center for Health Statistics (United States data only)

Health--United States, 1983

Table 3
BIRTHS, DEATHS, INFANT DEATHS, FETAL DEATHS, MARRIAGES, DIVORCES AND ANNULMENTS BY MONTH
MINNESOTA OCCURRENCES, 1982

	Births	Deaths	Infant Deaths	Fetal Deaths	Marriages	Divorces & Annulments
Total	68,995	33,408	688	468	37,409	15,177
January	5,486	3,023	64	30	1,597	1,215
February	5,336	2,511	50	33	1,687	1,129
March	6,094	2,883	60	41	1,687	1,584
April	5,730	2,881	66	41	2,479	1,312
May	5,882	2,767	56	36	3,925	1,228
June	5,809	2,647	48	47	5,134	1,298
July	5,998	2,822	58	42	4,062	1,166
August	6,088	2,718	53	39	4,588	1,191
September	6,002	2,700	60	39	4,243	1,243
October	5,822	2,854	65	45	3,610	1,237
November	5,340	2,754	60	41	2,202	1,219
December	5,408	2,848	48	34	2,195	1,355
Unknown	-	-	-	-	-	-

Table 4
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1982

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Afton	20	1	13	-	-
Albert Lea	299	2	220	4	3
Alexandria	125	1	129	3	3
Andover	97	2	13	1	-
Anoka	414	2	121	2	1
Apple Valley	450	3	27	2	2
Arden Hills	143	1	54	-	-
Aurora	52	-	24	2	-
Austin	306	2	266	4	3
Baxter	11	-	19	-	-
Bayport	25	-	16	-	-
Belle Plaine	60	-	32	-	-
Bemidji	193	-	104	3	3
Benson	58	-	58	-	-
Blaine	667	1	53	5	4
Bloomington	1,056	5	407	10	4
Blue Earth	52	-	63	1	-
Brainerd	216	2	169	3	2
Breckenridge	71	1	49	-	-
Brooklyn Center	425	3	189	6	4
Brooklyn Park	1,097	7	108	7	4
Buffalo	115	2	89	-	-
Burnsville	611	4	84	2	1
Caledonia	39	-	41	2	2
Cambridge	71	-	63	1	1
Cannon Falls	51	-	33	1	1
Champlin	202	2	38	2	1
Chanhassen	84	1	19	-	-
Chaska	216	1	54	2	1
Chisholm	110	-	77	1	1
Circle Pines	74	1	13	-	-
Cloquet	200	1	122	-	-
Columbia Heights	316	2	153	2	2
Coon Rapids	693	3	107	5	2
Corcoran	76	1	8	-	-
Cottage Grove	366	2	38	3	1
Crookston	178	-	107	-	-
Crystal	374	1	129	3	2
Dayton	49	-	11	1	-
Deephaven	31	-	13	1	1
Detroit Lakes	119	1	147	4	4
Dilworth	61	-	23	2	2
Duluth	1,488	8	1,135	8	7
Eagan	509	-	50	2	-
East Bethel	91	-	9	1	-
East Grand Forks	186	-	76	1	-
Eden Prairie	351	3	41	2	2
Edina	335	2	382	2	2
Elk River	163	3	44	-	-
Ely	39	-	72	1	1

Table 4
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1982 (CONT.)

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Eveleth	88	-	76	-	-
Excelsior	89	1	45	2	1
Fairmont	173	-	123	2	2
Falcon Heights	76	-	26	1	-
Faribault	285	1	182	4	1
Farmington	137	-	37	1	-
Fergus Falls	170	-	202	1	1
Forest Lake	132	1	68	2	1
Fridley	408	2	137	1	1
Gilbert	51	-	39	-	-
Glencoe	64	-	56	1	-
Glenwood	43	-	73	1	1
Golden Valley	216	1	171	-	-
Goodview	16	-	8	-	-
Grand Rapids	133	-	122	2	2
Granite Falls	46	1	46	2	2
Ham Lake	131	1	13	1	-
Hastings	245	2	97	1	1
Hermantown	34	-	15	1	1
Hibbing	332	-	219	2	2
Hopkins	262	3	151	-	-
Hoyt Lakes	40	-	17	-	-
Hugo	81	-	19	1	-
Hutchinson	181	-	69	1	1
Independence	19	-	8	1	1
International Falls	133	-	83	5	5
Inver Grove Heights	367	-	81	4	3
Jackson	64	-	47	-	-
Jordan	105	1	18	2	1
Kasson	81	1	7	-	-
La Crescent	49	-	34	-	-
Lake City	50	-	45	-	-
Lake Elmo	105	2	27	-	-
Lakeville	238	-	37	3	2
Le Sueur	48	-	48	2	2
Lino Lakes	136	-	13	-	-
Litchfield	106	1	95	1	1
Little Canada	132	1	31	1	1
Little Falls	120	-	136	2	2
Long Prairie	58	1	45	1	-
Luverne	63	1	54	1	1
Mahtomedi	69	1	16	-	-
Mankato	449	2	211	5	4
Maple Grove	585	2	46	5	3
Maplewood	403	5	211	7	7
Marshall	213	-	62	2	2
Medina	37	-	11	-	-
Mendota Heights	66	-	35	2	-
Minneapolis	6,289	44	3,977	76	43
Minnetonka	482	1	191	1	-

Table 4
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1982 (CONT.)

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Minnetrista	15	-	1	-	-
Montevideo	112	1	81	1	-
Monticello	112	-	31	1	1
Moorhead	450	2	199	9	6
Mora	37	1	61	2	2
Morris	78	-	60	-	-
Mound	220	2	43	2	2
Mounds View	213	1	25	1	1
Mountain Iron	32	-	25	-	-
New Brighton	365	2	117	8	6
New Hope	322	3	172	4	-
New Prague	79	-	34	-	-
New Ulm	241	2	146	3	1
Newport	78	-	20	2	1
North Mankato	183	1	51	2	1
North Oaks	23	-	12	2	2
North St. Paul	202	-	69	3	3
Northfield	150	1	82	-	-
Oak Park Heights	19	-	9	1	-
Oakdale	255	-	43	3	-
Olivia	47	1	27	-	-
Orono	43	-	30	1	-
Ortonville	39	-	39	-	-
Osseo	61	-	39	-	-
Owatonna	362	2	170	3	2
Park Rapids	46	-	83	3	2
Pipestone	62	-	76	1	1
Plymouth	488	2	117	9	7
Princeton	66	1	48	1	1
Prior Lake	167	-	26	1	1
Proctor	57	-	35	-	-
Ramsey	134	-	22	1	1
Red Wing	215	1	179	3	2
Redwood Falls	83	-	74	2	1
Richfield	514	4	254	5	3
Robbinsdale	190	-	144	1	1
Rochester	1,203	8	447	8	6
Rosemount	130	1	13	2	2
Roseville	383	1	214	2	1
S. International Falls	30	-	12	-	-
S. St. Paul	333	-	162	2	2
Sartell	95	-	45	-	-
Sauk Centre	59	3	51	2	2
Sauk Rapids	136	-	52	2	1
Savage	95	-	9	1	-
Shakopee	185	2	69	2	2
Shoreview	266	4	48	3	-
Shorewood	45	-	10	-	-
Silver Bay	44	-	11	1	1
Sleepy Eye	63	-	53	1	1

Table 4
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1982 (CONT.)

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Spring Lake Park	98	-	22	-	-
Spring Valley	42	2	44	1	1
St. Anthony	76	-	44	-	-
St. Cloud	659	7	276	8	5
St. James	85	1	52	-	-
St. Joseph	40	-	11	-	-
St. Louis Park	616	2	382	5	3
St. Paul	5,022	44	2,719	54	21
St. Paul Park	103	1	27	-	-
St. Peter	111	2	77	1	1
Staples	35	-	56	-	-
Stewartville	99	1	56	3	2
Stillwater	258	-	147	2	1
Thief River Falls	128	-	123	2	2
Two Harbors	63	-	75	-	-
Vadnais Heights	177	-	22	4	1
Virginia	151	-	144	1	-
Waconia	60	-	36	-	-
Wadena	77	-	57	1	1
Waite Park	63	-	31	-	-
Waseca	174	2	81	2	1
Wayzata	84	-	43	1	1
Wells	33	1	36	1	1
West St. Paul	204	3	183	1	1
White Bear Lake	460	3	128	1	-
Willmar	295	2	152	7	4
Windom	66	1	55	1	-
Winona	382	3	224	3	2
Woodbury	220	1	41	-	-
Worthington	149	1	112	-	-

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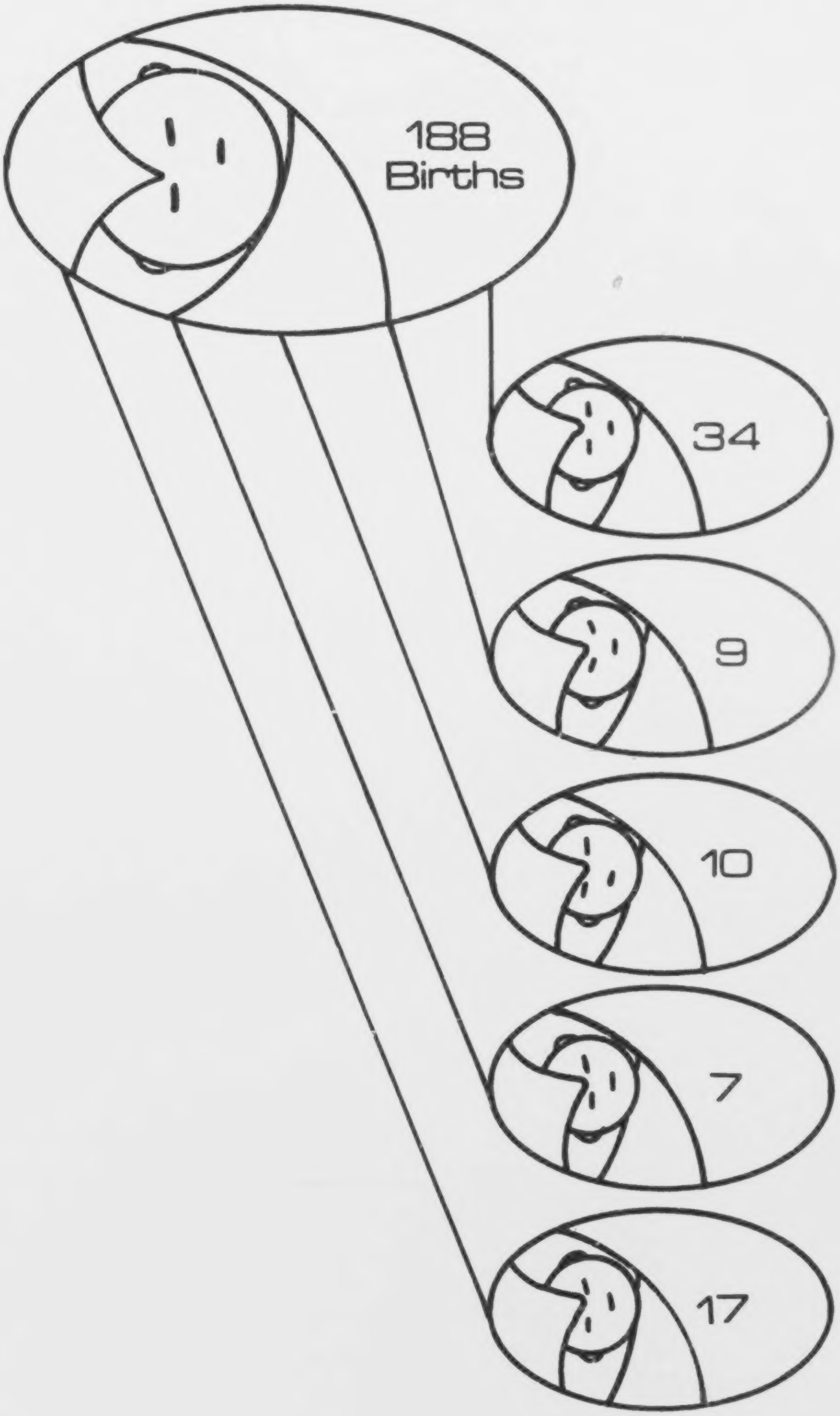
* Municipalities with population of 2,500 or more.

Live Births

Every day in 1982, residents of Minnesota experienced an average of:



High Risk Births

Births Weighing 2,500 Grams or Less

Births to Women Aged 35 or Older

Births in which Prenatal Care was Initiated Late or Not at All

Births to Women Aged 19 or Under

Table 5
LIVE BIRTHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE, RESIDENT LIVE BIRTHS DISTRIBUTED ACCORDING TO PLACE OF BIRTH, MINNESOTA, 1982

County	Births Occurring in County				Resident Births		
					Outside County		
	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
State Total	68,995	46,825	19,870	2,300	19,870	1,817	68,512
Aitkin	127	113	14	-	90	-	203
Anoka	3,745	2,137	1,601	7	1,496	8	3,641
Becker	502	390	112	-	70	57	517
Beltrami	874	641	231	2	44	7	692
Benton	3	3	-	-	574	3	580
Big Stone	217	108	37	72	23	3	134
Blue Earth	1,341	773	566	2	61	2	836
Brown	638	440	197	1	56	1	497
Carlton	360	247	112	1	224	1	472
Carver	778	321	457	-	353	-	674
Cass	65	46	19	-	269	4	319
Chippewa	229	156	72	1	111	1	268
Chisago	281	175	101	5	237	60	472
Clay	392	272	43	77	14	455	741
Clearwater	114	82	32	-	69	3	154
Cook	48	46	2	-	13	2	61
Cottonwood	145	107	38	-	116	1	224
Crow Wing	771	629	140	2	60	3	692
Dakota	754	579	132	43	2,931	3	3,513
Dodge	2	2	-	-	327	1	330
Douglas	591	437	153	1	38	1	476
Faribault	208	167	14	27	119	-	286
Fillmore	104	63	38	3	176	88	327
Freeborn	645	483	102	60	71	4	558
Goodhue	731	463	77	191	175	2	640
Grant	59	49	10	-	68	2	119
Hennepin	19,417	13,497	5,821	99	1,381	22	14,900
Minneapolis	11,047	4,575	6,399	73	1,705	9	6,289
Houston	47	32	7	8	10	230	272
Hubbard	255	142	113	-	59	12	213
Isanti	505	272	233	-	132	3	407
Itasca	635	553	79	3	159	3	715
Jackson	85	75	10	-	123	20	218
Kanabec	268	131	133	4	86	2	219
Kandiyohi	990	618	372	-	51	1	670
Kittson	97	73	19	5	13	13	99
Koochiching	201	192	9	-	42	9	243
Lac Qui Parle	114	101	6	7	64	4	169
Lake	92	84	8	-	86	1	171
Lake of the Woods	72	49	21	2	5	1	55
Le Sueur	82	55	27	-	345	1	401
Lincoln	123	68	28	27	35	13	116
Lyon	507	406	98	3	52	11	469
McLeod	569	389	179	1	94	1	484
Mahnomen	58	42	16	-	49	5	96

Table 5

LIVE BIRTHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE, RESIDENT LIVE BIRTHS DISTRIBUTED ACCORDING TO PLACE OF BIRTH, MINNESOTA, 1982 (CONT.)

	Births Occurring in County				Resident Births		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
Marshall	34	32	1	1	102	51	185
Martin	470	364	36	70	29	11	404
Meeker	252	185	67	-	175	-	360
Mille Lacs	405	249	156	-	59	1	309
Morrison	542	440	102	-	100	1	541
Mower	488	411	69	8	122	13	546
Murray	118	98	19	1	74	5	177
Nicollet	161	98	63	-	336	-	434
Nobles	502	254	207	41	38	41	333
Norman	21	11	6	4	53	59	123
Olmsted	2,687	1,711	916	60	24	4	1,739
Otter Tail	631	546	79	6	206	35	787
Pennington	399	202	196	1	10	12	224
Pine	25	25	-	-	296	11	332
Pipestone	191	138	31	22	28	22	188
Polk	442	354	85	3	49	232	635
Pope	111	101	10	-	86	1	188
Ramsey	9,366	6,026	3,112	228	1,922	8	7,956
St. Paul	9,357	4,075	5,054	228	943	4	5,022
Red Lake	14	12	2	-	79	8	99
Redwood	233	180	53	-	136	1	317
Renville	137	126	10	1	189	1	316
Rice	703	572	129	2	157	1	730
Rock	207	124	50	33	10	30	164
Roseau	196	169	12	15	50	7	226
St. Louis	4,179	3,179	486	514	55	7	3,241
Duluth	2,676	1,480	684	512	3	5	1,488
Scott	1,017	523	494	-	311	2	836
Sherburne	1	1	-	-	640	1	642
Sibley	121	108	13	-	156	1	265
Stearns	2,789	1,758	1,029	2	146	3	1,907
Steele	480	403	77	-	143	1	547
Stevens	204	167	37	-	28	-	195
Swift	120	106	13	1	102	-	208
Todd	282	224	58	-	236	3	463
Traverse	105	47	24	34	40	7	94
Wabasha	254	146	37	71	155	3	304
Wadena	418	189	227	2	55	7	251
Waseca	221	194	27	-	143	1	338
Washington	634	367	166	101	1,659	17	2,043
Watonwan	216	176	40	-	46	-	222
Wilkin	463	102	22	339	21	17	140
Winona	660	527	61	72	103	124	754
Wright	435	347	88	-	858	1	1,206
Yellow Medicine	220	125	81	14	72	3	200

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*
MINNESOTA, 1982

	State	Aitkin	Anoka	Becker	Beltrami	Benton	Big Stone	Blue Earth	Brown	Carlton
Live Births	68,512**	203	3,641	517	692	580	134	836	497	472
Fertility Rate	69.8	80.0	67.4	80.1	84.7	93.7	93.4	60.7	78.9	73.6
Birth Rate	16.6	15.0	17.8	16.6	20.9	22.2	17.2	15.8	17.4	15.8
Sex: Male	35,308	105	1,906	273	374	305	75	446	243	256
Female	33,202	98	1,735	244	318	275	59	390	254	216
Out-of-Wedlock, Percent	12.3	11.8	12.2	15.9	25.6	10.3	7.5	10.2	9.3	14.6
Race: White	62,700	190	2,977	440	515	570	134	825	493	438
Black	1,691	-	12	-	1	-	-	4	-	2
Indian	1,344	10	22	76	171	5	-	1	-	29
Live Birth Order										
Median	2.3	2.4	2.2	2.5	2.4	2.5	2.6	2.3	2.4	2.3
% 5th or over	3.5	2.5	1.7	6.6	4.5	6.9	6.0	3.2	5.2	2.3
Prematurity, Percent										
Less than 37 weeks	6.8	7.4	4.8	7.5	8.1	5.3	4.5	6.3	3.6	8.1
2,500 grams or less	4.9	3.9	3.7	5.4	6.4	3.4	3.7	4.7	4.4	4.2
Plurality:										
Single	67,101	201	3,568	502	672	568	134	826	489	464
Twin	1,366	2	70	15	20	12	-	10	8	8
Triplet	45	-	3	-	-	-	-	-	-	-
Mother's Age, Percent										
Under 18	2.6	3.4	2.7	3.7	5.3	.9	3.7	2.4	1.8	5.1
18-19	6.3	9.9	5.8	8.3	10.3	8.1	4.5	6.0	7.8	7.2
40 and over	.7	.5	.4	.4	.4	1.0	.7	1.0	1.4	.2
Mother's Education, Percent										
Less than 12 years	9.7	16.7	7.2	17.4	18.6	8.3	10.4	7.9	2.4	12.9
Over 3 years college	17.2	10.3	10.8	9.9	16.8	11.9	14.9	20.6	5.6	11.2
Prenatal Care Began, Percent										
3rd Trimester or none	3.6	3.9	2.9	3.7	6.6	1.6	3.7	2.2	.6	3.0
Prenatal Care Visits										
Median	10.9	9.8	10.9	11.0	10.1	10.7	10.5	11.5	10.7	10.5
Congenital Anomalies, Percent	1.2	1.5	.3	1.9	2.5	.9	.7	1.3	1.4	1.7
High Risk, Percent	18.1	20.7	12.4	20.5	25.1	12.9	15.7	13.8	14.9	17.8
Birth Injuries, Percent	4.2	7.9	2.2	2.9	4.3	2.9	3.7	3.1	4.0	5.7
Infant Deaths										
Total	645	1	21	8	9	3	-	7	4	2
White	580	1	21	6	5	3	-	7	4	2
Black	31	-	-	-	-	-	-	-	-	-
Indian	17	-	-	2	4	-	-	-	-	-
Neonatal Deaths										
Total	402	-	13	7	7	1	-	5	2	1
White	367	-	13	6	5	1	-	5	2	1
Black	18	-	-	-	-	-	-	-	-	-
Indian	6	-	-	1	2	-	-	-	-	-
First Day Deaths										
Total	248	-	5	5	5	1	-	2	2	1
White	220	-	5	5	3	1	-	2	2	1
Black	15	-	-	-	-	-	-	-	-	-
Indian	4	-	-	-	2	-	-	-	-	-
1-6 Day Deaths										
Total	105	-	4	2	2	-	-	2	-	-
White	101	-	4	1	2	-	-	2	-	-
Black	1	-	-	-	-	-	-	-	-	-
Indian	2	-	-	1	-	-	-	-	-	-
7-27 Day Deaths										
Total	49	-	4	-	-	-	-	1	-	-
White	46	-	4	-	-	-	-	1	-	-
Black	2	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
Fetal Deaths										
Total	429	2	15	4	2	3	-	4	5	4
White	370	2	14	2	-	3	-	4	4	3
Black	12	-	-	-	-	-	-	-	-	-
Indian	14	-	1	1	2	-	-	-	-	-
Perinatal Rate	12.1	9.9	7.7	21.3	13.0	6.9	-	10.8	14.1	10.6
Maternal Deaths	3	-	-	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

Live	Carver	Cass	Chippewa	Chisago	Clay	Clear-water	Cook	Cotton-wood	Crow Wing	Dakota
Live Births	674	319	268	472	741	154	61	224	692	3,513
Fertility Rate	70.6	80.5	92.2	79.2	55.8	87.6	67.0	82.2	78.3	66.3
Birth Rate	17.2	15.1	18.0	17.6	15.1	16.9	14.5	15.7	16.6	17.3
Sex: Male	339	158	136	250	362	85	33	104	338	1,839
Female	335	161	132	222	379	69	28	120	354	1,674
Out-of-Wedlock, Percent	6.5	23.2	7.8	10.6	9.7	14.3	9.8	7.6	10.7	8.6
Race: White	666	240	266	460	719	131	55	223	677	3,390
Black	1	-	-	2	7	-	-	-	1	38
Indian	-	76	2	4	11	23	5	-	4	17
Live Birth Order										
Median	2.3	2.5	2.4	2.4	2.3	2.6	2.3	2.5	2.4	2.3
% 5th or over	3.3	6.6	.7	2.8	3.2	10.4	-	2.7	4.5	2.2
Prematurity, Percent										
Less than 37 weeks	7.1	6.0	5.2	7.0	8.6	4.5	4.9	6.3	5.9	5.8
2,500 grams or less	4.0	3.4	3.7	3.4	7.3	4.5	1.6	3.1	3.9	4.2
Plurality:										
Single	667	312	259	468	708	150	59	220	685	3,435
Twin	7	7	9	4	30	4	2	4	7	78
Triplet	-	-	-	-	3	-	-	-	-	-
Mother's Age, Percent										
Under 18	.9	5.3	2.2	3.4	2.0	4.5	-	2.2	2.7	1.8
18-19	5.5	10.7	4.9	5.5	7.0	9.1	4.9	2.7	7.4	4.0
40 and over	.6	.9	.4	.4	1.1	1.9	-	1.3	.7	.7
Mother's Education, Percent										
Less than 12 years	3.9	18.2	5.2	11.9	8.5	16.9	6.6	4.9	13.7	6.2
Over 3 years college	15.7	10.7	13.1	12.7	21.5	9.1	32.8	11.2	12.6	21.6
Prenatal Care Began, Percent										
3rd Trimester or none	3.0	5.0	3.0	4.9	2.4	1.9	8.2	3.6	4.9	3.4
Prenatal Care Visits										
Median	11.7	8.9	10.5	9.4	11.7	10.9	12.3	10.8	9.4	11.2
Congenital Anomalies, Percent	1.5	1.3	2.2	1.1	1.2	1.9	4.9	2.7	1.0	1.2
High Risk, Percent	15.9	21.6	20.1	16.5	15.4	17.5	34.4	18.3	17.8	16.2
Birth Injuries, Percent	4.2	6.9	7.8	3.2	2.8	3.2	13.1	3.6	4.3	3.7
Infant Deaths										
Total	7	4	2	3	16	-	1	4	4	23
White	7	3	2	3	15	-	1	3	4	22
Black	-	-	-	-	1	-	-	-	-	-
Indian	-	1	-	-	-	-	-	-	-	-
Neonatal Deaths										
Total	3	2	-	2	9	-	1	3	3	15
White	3	2	-	2	8	-	1	2	3	14
Black	-	-	-	-	1	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
First Day Deaths										
Total	2	1	-	1	4	-	1	1	1	8
White	2	1	-	1	4	-	1	-	1	8
Black	-	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
1-6 Day Deaths										
Total	1	1	-	1	4	-	-	-	-	4
White	1	1	-	1	3	-	-	-	-	4
Black	-	-	-	-	1	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
7-27 Day Deaths										
Total	-	-	-	-	1	-	-	2	2	3
White	-	-	-	-	1	-	-	2	2	2
Black	-	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
Fetal Deaths										
Total	4	5	3	2	4	-	-	1	5	16
White	4	2	3	2	4	-	-	1	5	13
Black	-	-	-	-	-	-	-	-	-	-
Indian	-	2	-	-	-	-	-	-	-	-
Perinatal Rate	10.4	21.9	11.2	8.5	17.5	-	16.4	17.9	11.6	8.8
Maternal Deaths	-	-	-	1	1	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

	Dodge	Douglas	Faribault	Fillmore	Freeborn	Goodhue	Grant	Hennepin	Minn-eapolis
Live Births	330	476	286	327	558**	640	119	14,900	6,289
Fertility Rate	100.8	77.5	76.2	78.8	76.2	78.0	90.2	61.4	66.5
Birth Rate	21.9	16.5	14.7	14.9	15.8	16.3	16.3	15.7	17.2
Sex: Male	150	249	142	165	289	347	64	7,608	3,129
Female	180	227	144	162	267	293	55	7,292	3,160
Out-of-Wedlock, Percent	7.9	8.0	6.3	6.4	10.6	9.1	3.4	17.0	28.1
Race: White	328	472	284	323	557	633	115	12,577	4,546
Black	-	-	-	-	-	-	-	1,118	955
Indian	1	1	-	1	-	6	2	421	392
Live Birth Order									
Median	2.5	2.4	2.4	2.6	2.4	2.4	2.4	2.1	2.1
% 5th or over	4.2	3.4	3.5	5.8	2.2	2.8	1.7	2.6	3.5
Prematurity, Percent									
Less than 37 weeks	4.5	6.7	5.6	4.3	9.7	7.8	4.2	7.8	9.0
2,500 grams or less	2.7	4.4	5.6	3.1	9.1	4.4	2.5	5.7	6.4
Plurality:									
Single	326	467	277	325	542	628	115	14,576	6,162
Twin	4	6	6	2	16	12	4	321	124
Triplet	-	3	3	-	-	-	-	3	3
Mother's Age, Percent									
Under 18	3.3	1.7	.7	2.8	2.9	3.1	1.7	2.8	4.3
18-19	8.2	7.4	5.2	5.5	8.1	7.7	6.7	5.1	7.1
40 and over	.3	.6	1.0	.3	-	.5	-	.5	.6
Mother's Education, Percent									
Less than 12 years	8.8	8.0	8.4	10.4	11.8	10.9	4.2	11.0	18.3
Over 3 years college	9.7	14.5	10.8	11.9	9.1	14.5	12.6	24.1	22.9
Prenatal Care Began, Percent									
3rd Trimester or none	4.8	2.5	3.5	2.1	2.5	3.3	-	3.8	6.2
Prenatal Care Visits									
Median	10.9	12.0	10.9	10.8	10.5	11.7	12.3	12.0	11.6
Congenital Anomalies, Percent	1.2	1.3	1.0	1.8	2.3	1.1	-	.9	1.0
High Risk, Percent	20.6	16.4	16.8	17.1	19.2	18.1	10.1	19.6	23.3
Birth Injuries, Percent	5.8	6.3	6.3	3.4	7.7	4.1	3.4	3.3	3.9
Infant Deaths									
Total	4	4	2	2	8	9	-	149	76
White	4	4	2	2	8	8	-	117	49
Black	-	-	-	-	-	1	-	18	15
Indian	-	-	-	-	-	-	-	7	7
Neonatal Deaths									
Total	4	4	1	2	7	5	-	87	43
White	4	4	1	2	7	4	-	68	27
Black	-	-	-	-	-	1	-	12	10
Indian	-	-	-	-	-	-	-	2	2
First Day Deaths									
Total	3	4	1	1	4	3	-	62	30
White	3	4	1	1	4	2	-	45	16
Black	-	-	-	-	-	1	-	10	8
Indian	-	-	-	-	-	-	-	2	2
1-6 Day Deaths									
Total	1	-	-	1	-	1	-	16	8
White	1	-	-	1	-	1	-	16	8
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-
7-27 Day Deaths									
Total	-	-	-	-	3	1	-	9	5
White	-	-	-	-	3	1	-	7	3
Black	-	-	-	-	-	-	-	2	2
Indian	-	-	-	-	-	-	-	-	-
Fetal Deaths									
Total	5	4	1	4	4	5	1	92	44
White	5	4	-	4	3	5	1	81	34
Black	-	-	-	-	-	-	-	6	6
Indian	-	-	-	-	-	-	-	2	2
Perinatal Rate	27.3	16.8	7.0	18.3	19.7	15.6	8.4	12.0	13.8
Maternal Deaths	-	-	-	-	-	-	-	1	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

	Houston	Hubbard	Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	Kooch-iching
Live Births	272	213	407	715	218	219	670	99	243
Fertility Rate	70.5	70.3	69.2	73.0	81.6	83.4	74.9	80.4	63.3
Birth Rate	14.7	14.2	16.2	15.6	16.0	17.6	17.0	14.8	13.8
Sex: Male	143	105	219	361	117	122	365	50	135
Female	129	108	188	354	101	97	305	49	108
Out-of-Wedlock, Percent	5.1	11.7	10.3	15.2	6.4	11.9	9.7	7.1	16.0
Race: White	271	201	393	616	216	217	665	97	226
Black	-	-	1	-	-	-	-	-	-
Indian	-	10	3	95	-	2	2	1	7
Live Birth Order									
Median	2.5	2.4	2.4	2.4	2.3	2.4	2.4	2.6	2.4
% 5th or over	6.6	5.2	4.2	3.4	1.8	5.0	2.7	3.0	1.6
Prematurity, Percent									
Less than 37 weeks	5.1	7.0	5.2	6.6	6.4	5.9	7.0	3.0	3.7
2,500 grams or less	5.1	7.0	2.5	6.4	.9	4.6	5.4	5.1	5.3
Plurality:									
Single	270	203	403	697	212	216	656	99	233
Twin	2	10	4	15	6	-	14	-	10
Triplet	-	-	-	3	-	3	-	-	-
Mother's Age, Percent									
Under 18	3.3	1.9	3.7	2.8	2.3	2.7	2.5	1.0	2.5
18-19	4.0	9.4	8.8	10.3	5.5	10.5	6.4	5.1	7.0
40 and over	1.8	1.4	1.0	.1	.9	.5	.6	-	1.2
Mother's Education, Percent									
Less than 12 years	7.7	8.9	17.0	11.7	7.8	16.9	9.3	9.1	14.4
Over 3 years college	19.9	14.1	14.0	10.1	15.6	11.0	13.9	17.2	10.7
Prenatal Care Began, Percent									
3rd Trimester or none	1.1	7.0	5.7	3.6	1.8	4.6	2.7	10.1	2.1
Prenatal Care Visits									
Median	11.2	9.1	10.6	10.3	11.9	10.1	10.6	9.0	10.0
Congenital Anomalies, Percent	1.5	-	1.2	1.8	.9	-	1.3	1.0	1.6
High Risk, Percent	16.9	21.6	16.2	21.1	13.3	20.5	14.9	14.1	13.6
Birth Injuries, Percent	5.1	3.3	4.7	7.7	2.3	5.9	5.1	3.0	3.7
Infant Deaths									
Total	3	3	6	11	1	3	12	-	5
White	3	3	6	10	1	3	12	-	5
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-	-	-
Neonatal Deaths									
Total	3	2	2	8	-	2	9	-	5
White	3	2	2	8	-	2	9	-	5
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-
First Day Deaths									
Total	1	-	1	6	-	1	8	-	3
White	1	-	1	6	-	1	8	-	3
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-
1-6 Day Deaths									
Total	2	1	1	1	-	1	1	-	1
White	2	1	1	1	-	1	1	-	1
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-
7-27 Day Deaths									
Total	-	1	-	1	-	-	-	-	1
White	-	1	-	1	-	-	-	-	1
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-
Fetal Deaths									
Total	-	-	1	4	1	2	6	3	-
White	-	-	1	4	1	2	6	3	-
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-
Perinatal Rate	11.0	9.4	7.4	16.8	4.6	18.3	22.4	30.3	20.6
Maternal Deaths	-	-	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 80,000*, MINNESOTA, 1982 (CONT.)

	Lac Qui Parle	Lake	Lake of the Woods	Le-Sueur	Lin-coln	Lyon	Mc-Leod	Mahnomen	Marshall	Martin
Live Births	169	171	55	401	116	469	484	96	185	404
Fertility Rate	89.5	62.4	73.4	81.9	78.7	81.8	74.6	91.2	72.3	80.9
Birth Rate	16.2	13.0	14.2	17.1	14.3	18.6	16.1	17.0	14.3	16.4
Sex: Male	85	97	26	207	56	241	239	47	88	229
Female	84	74	29	194	60	228	245	49	97	175
Out-of-Wedlock, Percent	4.1	13.5	5.5	7.2	6.0	8.7	7.2	13.5	5.9	10.6
Race: White	168	171	54	398	116	463	480	68	184	402
Black	-	-	-	-	-	3	-	-	-	-
Indian	1	-	-	1	-	2	-	28	-	-
Live Birth Order										
Median	2.4	2.3	2.6	2.4	2.6	2.4	2.4	3.1	2.5	2.6
5th or over	2.4	4.1	1.8	5.2	7.8	4.1	3.7	8.3	4.9	2.7
Prematurity, Percent										
Less than 37 weeks	2.4	5.3	9.1	8.7	7.8	5.1	6.2	7.3	6.5	5.9
2,500 grams or less	3.0	4.7	3.6	7.2	4.3	4.5	4.8	1.0	2.2	5.0
Plurality:										
Single	169	169	53	387	114	465	475	94	179	394
Twin	-	2	2	14	2	4	9	2	6	10
Triplet	-	-	-	-	-	-	-	-	-	-
Mother's Age, Percent										
Under 18	1.8	3.5	1.8	1.5	2.6	1.9	3.9	8.3	2.2	2.2
18-19	3.0	11.1	1.8	4.5	9.5	5.1	7.9	6.3	6.5	6.4
40 and over	.6	1.2	-	.2	-	.6	1.4	1.0	.5	.7
Mother's Education, Percent										
Less than 12 years	6.5	5.8	21.8	8.5	3.4	6.4	8.7	15.6	9.2	9.4
Over 3 years college	14.2	8.2	14.5	12.0	19.0	15.6	12.8	14.6	14.1	10.9
Prenatal Care Began, Percent										
3rd Trimester or none	1.8	2.9	-	.7	3.4	3.0	2.3	6.3	4.3	3.0
Prenatal Care Visits										
Median	10.2	10.8	8.5	11.3	10.2	10.7	11.7	10.5	10.4	11.3
Congenital Anomalies, Percent	2.4	1.2	1.8	.7	-	1.9	2.3	1.0	1.1	1.7
High Risk, Percent	21.9	19.3	16.4	15.5	17.2	15.6	18.2	14.6	16.8	15.1
Birth Injuries, Percent	7.1	5.3	5.5	5.7	4.3	4.9	5.0	5.2	1.1	6.2
Infant Deaths										
Total	2	1	-	6	-	6	5	-	1	4
White	2	1	-	6	-	6	5	-	1	4
Black	-	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
Neonatal Deaths										
Total	2	1	-	5	-	4	4	-	1	4
White	2	1	-	5	-	4	4	-	1	4
Black	-	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
First Day Deaths										
Total	1	-	-	4	-	2	2	-	-	3
White	1	-	-	4	-	2	2	-	-	3
Black	-	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
1-6 Day Deaths										
Total	1	1	-	1	-	1	1	-	1	1
White	1	1	-	1	-	1	1	-	1	1
Black	-	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
7-27 Day Deaths										
Total	-	-	-	-	-	1	1	-	-	-
White	-	-	-	-	-	1	1	-	-	-
Black	-	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
Fetal Deaths										
Total	1	1	-	2	1	-	1	1	2	3
White	1	1	-	2	1	-	1	-	2	3
Black	-	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	1	-	-
Perinatal Rate	17.8	11.7	-	17.5	8.6	8.5	10.3	10.4	16.2	17.3
Maternal Deaths	-	-	-	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

	Meeker	Mille Lacs	Morrison	Mower	Murray	Nicollet	Nobles	Norman
Live Births	360	309	541	546	177	434	333	123
Fertility Rate	86.3	81.0	89.3	69.2	81.0	62.5	74.0	74.3
Birth Rate	17.0	16.7	18.4	13.7	15.4	15.7	15.1	13.0
Sex: Male	182	153	291	296	92	210	153	70
Female	178	156	250	250	85	224	180	53
Out-of-Wedlock, Percent	9.7	17.8	13.3	10.3	6.8	8.1	6.0	5.7
Race: White	357	277	534	536	176	427	329	121
Black	-	-	-	-	-	1	1	-
Indian	2	30	4	2	1	1	-	2
Live Birth Order								
Median	2.4	2.4	2.5	2.4	2.4	2.5	2.5	2.6
% 5th or over	4.2	5.8	8.3	3.5	3.4	4.1	2.7	5.7
Prematurity, Percent								
Less than 37 weeks	7.2	8.7	5.4	4.8	7.9	3.7	7.8	1.6
2,500 grams or less	5.8	6.1	4.8	2.9	1.1	3.5	2.4	4.1
Plurality:								
Single	343	297	535	536	175	421	323	123
Twin	17	12	6	10	2	10	10	-
Triplet	-	-	-	-	-	3	-	-
Mother's Age, Percent								
Under 18	2.8	3.2	3.7	2.2	3.4	.2	2.7	2.4
18-19	10.6	10.7	9.6	8.2	5.6	4.8	4.8	8.1
40 and over	1.7	.3	2.0	.2	.6	1.2	.3	-
Mother's Education, Percent								
Less than 12 years	11.7	12.9	11.6	9.7	10.7	5.5	8.7	7.3
Over 3 years college	11.4	9.7	9.6	11.4	12.4	16.8	9.9	12.2
Prenatal Care Began, Percent								
3rd Trimester or none	3.6	5.2	1.7	4.2	2.3	.9	2.4	6.5
Prenatal Care Visits								
Median	9.3	10.2	10.3	10.2	10.2	11.1	12.0	10.4
Congenital Anomalies, Percent	1.7	1.3	2.2	1.8	-	1.6	1.2	.8
High Risk, Percent	18.3	22.3	14.0	16.8	8.5	12.0	9.9	18.7
Birth Injuries, Percent	6.1	6.8	3.0	4.2	1.7	3.5	2.4	4.9
Infant Deaths								
Total	4	1	6	6	1	5	3	-
White	4	1	6	6	1	5	3	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	3	1	5	4	-	3	3	-
White	3	1	5	4	-	3	3	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	3	1	2	2	-	3	2	-
White	3	1	2	2	-	3	2	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	-	2	2	-	-	1	-
White	-	-	2	2	-	-	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	1	-	-	-	-	-
White	-	-	1	-	-	-	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	4	6	-	3	-	4	2	1
White	4	4	-	3	-	4	2	1
Black	-	-	-	-	-	-	-	-
Indian	-	2	-	-	-	-	-	-
Perinatal Rate	19.4	22.7	9.2	12.8	-	16.1	15.0	8.1
Maternal Deaths	-	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

	Olmsted	Otter Tail	Penn-ington	Pine	Pipe-stone	Polk	Pope	Ramsey	St. Paul	Red Lake
Live Births	1,739	787	224	332	188	635	188	7,956	5,022	99
Fertility Rate	69.6	74.5	69.2	84.7	84.0	86.9	89.1	69.2	77.1	93.0
Birth Rate	18.5	14.4	15.5	16.6	16.2	18.3	15.9	17.4	18.8	18.1
Sex: Male	911	373	112	166	97	328	103	4,095	2,555	55
Female	828	414	112	166	91	307	85	3,861	2,467	44
Out-of-Wedlock, Percent	10.1	6.9	9.8	13.6	9.0	10.7	5.9	16.0	20.2	7.1
Race: White	1,669	777	223	324	185	615	185	6,634	3,874	98
Black	12	-	-	-	-	2	-	438	402	-
Indian	3	5	1	7	-	16	1	84	76	1
Live Birth Order										
Median	2.2	2.5	2.3	2.5	2.3	2.3	2.5	2.2	2.2	2.6
% 5th or over	2.6	4.4	1.3	4.5	7.4	3.5	4.3	4.2	5.5	7.1
Prematurity, Percent										
Less than 37 weeks	6.6	4.8	6.7	6.9	6.9	8.0	5.9	7.5	8.0	8.1
2,500 grams or less	4.8	3.8	3.6	5.7	2.7	4.6	4.8	5.6	6.0	6.1
Plurality:										
Single	1,714	776	222	322	187	619	188	7,800	4,918	99
Twin	25	11	2	10	1	13	-	150	98	-
Triplet	-	-	-	-	-	3	-	6	6	-
Mother's Age, Percent										
Under 18	1.9	1.5	2.2	4.5	3.2	3.3	2.1	3.1	4.1	1.0
18-19	4.7	7.2	6.7	11.1	4.3	7.9	7.4	6.7	7.8	9.1
40 and over	.6	.6	-	1.2	.5	.5	1.1	.8	.9	1.0
Mother's Education, Percent										
Less than 12 years	6.5	7.8	8.0	17.5	6.4	12.3	6.4	12.1	16.1	5.1
Over 3 years college	19.8	13.6	11.6	10.8	13.3	11.2	12.2	22.0	19.2	12.1
Prenatal Care Began, Percent										
3rd Trimester or none	3.1	2.2	2.2	3.6	1.1	3.6	5.3	6.6	7.7	4.0
Prenatal Care Visits										
Median	11.3	11.4	10.5	9.8	10.9	10.8	11.1	10.3	10.2	10.3
Congenital Anomalies, Percent	1.2	2.3	1.3	1.8	1.1	.5	1.6	1.2	1.4	2.0
High Risk, Percent	25.0	17.0	9.4	24.4	10.6	19.5	17.6	22.6	24.7	15.2
Birth Injuries, Percent	4.7	5.0	2.2	5.1	3.2	4.9	3.2	4.9	5.2	4.0
Infant Deaths										
Total	12	3	2	4	3	4	3	88	54	1
White	11	3	2	4	3	4	3	71	38	1
Black	-	-	-	-	-	-	-	10	10	-
Indian	-	-	-	-	-	-	-	1	1	-
Neonatal Deaths										
Total	9	3	2	2	1	2	2	43	21	1
White	8	3	2	2	1	2	2	38	16	1
Black	-	-	-	-	-	-	-	3	3	-
Indian	-	-	-	-	-	-	-	-	-	-
First Day Deaths										
Total	7	1	-	1	1	1	2	26	13	-
White	7	1	-	1	1	1	2	21	8	-
Black	-	-	-	-	-	-	-	3	3	-
Indian	-	-	-	-	-	-	-	-	-	-
1-6 Day Deaths										
Total	1	2	2	1	-	-	-	14	7	-
White	-	2	2	1	-	-	-	14	7	-
Black	-	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
7-27 Day Deaths										
Total	1	-	-	-	-	1	-	3	1	1
White	1	-	-	-	-	1	-	3	1	1
Black	-	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-	-
Fetal Deaths										
Total	12	5	-	3	2	2	1	62	44	-
White	10	5	-	3	2	2	1	43	26	-
Black	-	-	-	-	-	-	-	5	5	-
Indian	-	-	-	-	-	-	-	1	1	-
Perinatal Rate	12.1	10.2	8.9	15.1	16.0	6.3	16.0	13.2	12.9	10.1
Maternal Deaths	-	-	-	-	-	-	-	-	-	-

Table 6

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

	Redwood	Renville	Rice	Rock	Roseau	St. Louis	Duluth	Scott	Sherburne
Live Births	317	316	730	164	226	3,241	1,488	836	642
Fertility Rate	85.4	83.4	62.5	77.8	87.9	65.5	69.3	71.6	83.3
Birth Rate	16.6	15.9	15.6	15.2	17.8	14.8	16.5	17.8	19.9
Sex: Male	171	167	371	83	126	1,670	757	404	329
Female	146	149	359	81	100	1,571	731	432	313
Out-of-Wedlock, Percent	9.1	6.6	8.1	6.1	8.0	13.8	16.6	7.7	9.2
Race: White	311	308	717	164	222	3,091	1,403	824	583
Black	-	-	-	-	-	20	19	1	2
Indian	4	5	-	-	3	95	39	8	3
Live Birth Order									
Median	2.5	2.5	2.4	2.6	2.5	2.3	2.2	2.4	2.4
% 5th or over	5.4	3.5	4.0	6.1	5.3	2.4	2.6	2.8	3.1
Prematurity, Percent									
Less than 37 weeks	8.8	7.0	7.1	6.1	9.3	7.1	6.9	6.8	6.5
2,500 grams or less	6.9	4.4	5.2	2.4	5.8	4.6	5.1	6.1	4.7
Plurality:									
Single	309	311	722	160	220	3,179	1,455	819	622
Twin	8	5	8	4	6	59	30	17	20
Triplet	-	-	-	-	-	3	3	-	-
Mother's Age, Percent									
Under 18	2.2	1.9	1.2	2.4	5.3	2.6	2.6	1.3	2.5
18-19	7.6	5.7	7.4	9.1	4.9	7.4	7.1	6.3	7.9
40 and over	1.6	.6	1.1	2.4	.9	.5	.5	1.0	.5
Mother's Education, Percent									
Less than 12 years	9.1	7.0	10.1	9.8	12.8	9.8	9.7	7.8	7.5
Over 3 years college	10.1	11.1	14.2	9.1	13.3	15.5	19.3	11.2	13.7
Prenatal Care Began, Percent									
3rd Trimester or none	1.9	2.8	4.2	.6	2.2	2.4	3.3	2.8	2.8
Prenatal Care Visits									
Median	11.0	11.0	10.9	11.7	9.7	10.6	10.3	11.4	10.9
Congenital Anomalies, Percent	2.2	1.6	1.2	1.2	1.8	1.4	1.7	1.3	1.6
High Risk, Percent	19.2	16.1	18.4	16.5	22.6	16.4	15.5	19.4	12.6
Birth Injuries, Percent	3.5	4.7	7.4	2.4	8.4	4.2	4.0	5.0	3.1
Infant Deaths									
Total	5	2	7	1	6	23	8	7	6
White	5	2	7	1	6	22	8	7	6
Black	-	-	-	-	-	1	-	-	-
Indian	-	-	-	-	-	-	-	-	-
Neonatal Deaths									
Total	3	1	2	1	3	16	7	5	6
White	3	1	2	1	3	15	7	5	6
Black	-	-	-	-	-	1	-	-	-
Indian	-	-	-	-	-	-	-	-	-
First Day Deaths									
Total	2	-	1	-	3	11	5	2	5
White	2	-	1	-	3	10	5	2	5
Black	-	-	-	-	-	1	-	-	-
Indian	-	-	-	-	-	-	-	-	-
1-6 Day Deaths									
Total	1	-	1	-	-	4	1	3	1
White	1	-	1	-	-	4	1	3	1
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-
7-27 Day Deaths									
Total	-	1	-	1	-	1	1	-	-
White	-	1	-	1	-	1	1	-	-
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-
Fetal Deaths									
Total	1	2	2	2	1	9	8	6	4
White	-	2	2	2	1	7	6	6	4
Black	-	-	-	-	-	1	1	-	-
Indian	1	-	-	-	-	1	1	-	-
Perinatal Rate	12.6	9.5	5.5	18.3	17.7	7.7	10.1	13.2	15.6
Maternal Deaths	-	-	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

	Sibley	Stearns	Steele	Stevens	Swift	Todd	Traverse	Wabasha	Wadena
Live Births	265	1,907	547	195	208	463	94	304	251
Fertility Rate	88.0	66.5	77.2	75.7	86.2	90.7	95.5	76.7	88.5
Birth Rate	16.9	17.0	17.7	17.1	16.2	17.8	17.2	15.9	17.7
Sex: Male	131	993	272	96	114	229	54	159	122
Female	134	914	275	99	94	234	40	145	129
Out-of-Wedlock, Percent	6.4	8.1	6.4	4.1	5.3	8.0	9.6	7.6	13.5
Race: White	263	1,886	543	185	203	459	90	304	248
Black	-	2	1	-	-	-	-	-	-
Indian	1	2	-	-	2	2	4	-	2
Live Birth Order									
Median	2.5	2.4	2.3	2.5	2.5	2.7	2.4	2.5	2.5
% 5th or over	5.7	6.7	4.0	3.1	7.7	9.3	8.5	4.6	5.6
Prematurity, Percent									
Less than 37 weeks	4.9	7.0	6.6	1.5	8.2	5.6	5.3	5.9	4.8
2,500 grams or less	1.5	3.6	4.0	4.1	3.4	4.3	4.3	4.3	3.2
Plurality:									
Single	263	1,876	540	189	200	457	92	302	251
Twin	2	31	4	6	8	6	2	2	-
Triplet	-	-	3	-	-	-	-	-	-
Mother's Age, Percent									
Under 18	.4	1.9	1.6	1.5	1.9	3.0	4.3	3.0	4.8
18-19	3.4	6.0	7.1	4.1	5.8	8.0	11.7	6.9	8.8
40 and over	.4	1.0	.5	-	.5	1.3	2.1	-	1.2
Mother's Education, Percent									
Less than 12 years	3.4	7.4	9.1	-	7.2	8.4	7.4	6.3	5.6
Over 3 years college	5.7	13.2	17.4	4.6	6.7	9.3	14.9	11.8	9.2
Prenatal Care Began, Percent									
3rd Trimester or none	.8	1.6	5.5	.5	3.8	3.7	3.2	2.3	4.4
Prenatal Care Visits									
Median	11.4	10.5	10.6	12.1	10.4	10.2	11.1	10.5	10.0
Congenital Anomalies, Percent	3.4	1.4	1.3	1.0	3.4	1.3	3.2	1.0	2.0
High Risk, Percent	14.7	14.5	16.1	16.9	15.9	18.4	18.1	18.1	23.5
Birth Injuries, Percent	3.4	3.6	5.3	5.6	5.3	5.0	3.2	4.3	5.6
Infant Deaths									
Total	1	12	6	-	1	6	1	2	7
White	1	11	6	-	1	6	-	2	7
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	1	-	-
Neonatal Deaths									
Total	1	7	5	-	1	3	1	-	5
White	1	6	5	-	1	3	-	-	5
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	1	-	-
First Day Deaths									
Total	1	7	1	-	-	3	-	-	1
White	1	6	1	-	-	3	-	-	1
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-
1-6 Day Deaths									
Total	-	-	3	-	-	-	1	-	3
White	-	-	3	-	-	-	-	-	3
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	1	-	-
7-27 Day Deaths									
Total	-	-	1	-	1	-	-	-	1
White	-	-	1	-	1	-	-	-	1
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-
Fetal Deaths									
Total	1	22	2	1	2	3	3	1	-
White	1	21	2	-	2	3	3	1	-
Black	-	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-	-
Perinatal Rate	7.5	15.2	12.8	5.1	14.4	13.0	42.6	3.3	19.9
Maternal Deaths	-	-	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

	Waseca	Washington	Watonwan	Wilkin	Winona	Wright	Yellow Medicine
Live Births	338	2,043	222	140	754	1,206	200
Fertility Rate	83.9	69.3	98.0	85.1	63.9	86.3	78.9
Birth Rate	18.0	17.4	18.6	16.5	16.4	19.9	15.0
Sex: Male	165	1,067	113	75	384	656	97
Female	173	976	109	65	370	550	103
Out-of-Wedlock, Percent	11.2	9.6	8.6	12.1	9.8	9.0	5.0
Race: White	334	1,992	221	137	735	1,111	198
Black	1	14	-	1	5	-	-
Indian	1	6	1	1	1	1	2
Live Birth Order							
Median	2.4	2.3	2.5	2.6	2.3	2.5	2.3
% 5th or over	3.6	2.2	4.5	2.9	4.5	6.1	4.0
Prematurity, Percent							
Less than 37 weeks	7.4	6.6	8.1	2.9	6.2	7.5	6.5
2,500 grams or less	4.4	5.3	2.7	3.6	4.6	4.9	3.5
Plurality:							
Single	328	1,987	210	138	731	1,186	198
Twin	10	53	12	2	20	20	2
Triplet	-	3	-	-	3	-	-
Mother's Age, Percent							
Under 18	2.4	2.1	3.6	1.4	2.7	1.9	1.0
18-19	7.7	5.8	6.3	6.4	7.0	6.6	9.0
40 and over	-	.6	-	-	1.1	.7	-
Mother's Education, Percent							
Less than 12 years	10.4	6.4	9.5	8.6	10.7	9.0	6.5
Over 3 years college	14.8	19.0	10.8	9.3	17.1	8.0	15.5
Prenatal Care Began, Percent							
3rd Trimester or none	1.5	4.1	2.3	4.3	3.8	2.1	2.5
Prenatal Care Visits							
Median	10.5	10.2	10.5	12.1	11.6	10.2	10.4
Congenital Anomalies, Percent	.9	1.5	.5	-	1.1	1.5	1.5
High Risk, Percent	9.5	19.2	12.2	14.3	14.7	16.4	11.5
Birth Injuries, Percent	3.6	5.0	3.6	3.6	4.0	5.5	3.0
Infant Deaths							
Total	3	16	-	-	7	11	3
White	3	16	-	-	7	11	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Neonatal Deaths							
Total	2	5	-	-	6	6	3
White	2	5	-	-	6	6	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
First Day Deaths							
Total	-	2	-	-	4	2	1
White	-	2	-	-	4	2	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	1	3	-	-	-	4	-
White	1	3	-	-	-	4	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	1	-	-	-	2	-	2
White	1	-	-	-	2	-	2
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	3	12	4	2	5	8	2
White	3	10	4	-	5	8	2
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	14.8	8.3	18.0	14.3	14.6	11.6	25.0
Maternal Deaths	-	-	-	-	-	-	-

* As of the 1980 Census.
** Includes sex unknown.

Table 7
LIVE BIRTH WEIGHT BY LIVE BIRTH ORDER AND SEX
MINNESOTA RESIDENTS, 1982

		Weight in Grams									
Live Birth Order	Total Births	1,000 or Less	1,001 to 1,500	1,501 to 2,000	2,001 to 2,500	2,501 to 3,000	3,001 to 3,500	3,501 to 4,000	4,001 to 4,500	4,501 and Over	Weight Not Stated
First	26,831	153	151	269	924	3,872	9,947	8,540	2,538	401	36
Second	22,503	75	98	189	628	2,603	7,851	7,770	2,686	585	18
Third	11,093	34	47	84	314	1,258	3,540	3,831	1,572	401	12
Fourth	3,972	16	17	40	147	483	1,243	1,313	547	161	5
Fifth	1,337	6	2	16	42	146	392	474	190	66	3
Sixth	517	2	4	6	17	63	152	175	75	21	2
Seventh	271	1	2	1	12	31	88	73	49	13	1
Eight or Over	296	-	-	1	1	29	88	93	63	21	-
Not Stated	1,692	6	6	7	22	102	225	258	76	21	969
TOTAL	68,512*	293	327	613	2,107	8,587	23,526	22,527	7,796	1,690	1,046*
Male	35,308	157	186	321	957	3,718	10,985	12,386	4,894	1,178	526
Female	33,202	136	141	292	1,150	4,869	12,541	10,141	2,902	512	518

* Includes sex unknown

Table 3
LIVE BIRTHS BY AGE OF MOTHER AND LIVE BIRTH ORDER
MINNESOTA RESIDENTS, 1982

		Age of Mother								
Live Birth Order	Total Births	Under 15 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 & Over Years	Age Not Stated
First	26,831	55	4,851	10,860	8,048	2,581	405	27	1	3
Second	22,503	1	957	7,511	9,057	4,261	671	43	-	2
Third	11,093	-	107	2,236	4,692	3,239	749	68	2	-
Fourth	3,972	-	10	455	1,469	1,474	495	63	3	3
Fifth	1,337	-	-	76	376	541	279	60	5	-
Sixth	517	-	-	15	96	199	154	49	4	-
Seventh	271	-	-	1	24	116	91	30	9	-
Eight or Over	296	-	-	2	6	55	143	77	13	-
Not Stated	1,692	1	143	595	601	269	77	4	-	2
TOTAL	68,512	57	6,068	21,751	24,369	12,735	3,064	421	37	10
Percent	100.0	0.1	8.9	31.7	35.6	18.6	4.5	.6	0.1	0.0

Table 9
PRENATAL CARE AND RACE BY AGE OF MOTHER AND BY LEGITIMACY STATUS
MINNESOTA RESIDENTS, 1982

			Age of Mother					
	Total	Percent	Under 15	15-19	20-29	30-39	40 and Over	Unknown
Legitimate Live Births	60,058*	-	1	2,869	41,638	15,110	434	6
Prenatal Care Started								
1st Trimester	44,759	74.5	-	1,626	31,255	11,614	262	2
2nd Trimester	8,739	14.6	1	804	5,859	1,969	104	2
3rd Trimester	1,154	1.9	-	136	735	261	22	-
No Care	427	0.7	-	26	271	120	9	1
Unknown	4,979	8.3	-	277	3,518	1,146	37	1
Race								
White	56,259	93.7	-	2,543	39,100	14,227	385	4
Black	700	1.2	-	27	506	166	1	-
Indian	560	0.9	-	72	383	102	3	-
Out-of-Wedlock Live Births	8,454*†	-	56	3,199	4,482	689	24	4
Prenatal Care Started								
1st Trimester	4,104	48.5	14	1,403	2,296	380	10	1
2nd Trimester	2,581	30.5	24	1,144	1,243	162	7	1
3rd Trimester	702	8.3	7	269	366	58	2	-
No Care	201	2.4	1	78	104	18	-	-
Unknown	866	10.2	10	305	473	71	5	2
Race								
White	6,441	76.2	26	2,566	3,349	484	15	1
Black	991	11.7	22	303	571	92	3	-
Indian	784	9.3	1	251	445	83	3	1
Legitimate Fetal Deaths	354*	-	-	22	217	107	6	2
Race								
White	317	89.5	-	17	198	97	4	1
Black	6	1.7	-	2	2	2	-	-
Indian	4	1.1	-	-	3	1	-	-
Out-of-Wedlock Fetal Deaths	75*†	-	-	31	36	8	-	-
Race								
White	53	70.7	-	22	24	7	-	-
Black	6	8.0	-	3	2	1	-	-
Indian	10	13.3	-	4	6	-	-	-

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* Includes deliveries of other and unknown races

† Includes unknown legitimacy status

Infant Mortality and Fetal Deaths

Table 10
INFANT, NEONATAL AND POSTNEONATAL DEATHS BY CAUSE
MINNESOTA RESIDENTS, 1982

Causes of Death	Infant Deaths	Neonatal Total	Neonatal Under 1 Day	Neonatal 1-6 Days	Neonatal 7-27 Days	Post-neonatal
All Causes - Total	645	402	248	105	49	243
Certain conditions originating in the perinatal period	274	255	179	48	28	19
Short gestation and low birth weight	68	68	65	3		-
Maternal conditions	54	54	52	2	-	-
Respiratory distress syndrome	54	47	20	13	14	7
Selected respiratory conditions of fetus and newborn	33	25	19	4	2	8
Fetal and neonatal hemorrhage	17	17	2	14	1	-
Intrauterine hypoxia and birth asphyxia	11	11	4	4	3	-
Birth trauma	7	6	2	1	3	1
Congenital anomalies	163	112	56	46	10	51
Of heart	53	32	6	21	5	21
Of respiratory system	24	21	17	4	-	3
Chromosomal anomalies	20	10	-	8	2	10
Of urinary system	12	9	8	1	-	3
Anencephalus and similar anomalies	9	9	6	3	-	-
Symptoms, signs, and ill-defined conditions	118	9	1	1	7	109
Sudden infant death syndrome	116	7	-	-	7	109
Infective and parasitic diseases	16	6	2	2	2	10
Septicemia	11	5	2	2	1	6
Violent deaths	14	3	2	1	-	11
Accidental deaths	9	2	1	1	-	7
Mechanical suffocation	3	-	-	-	-	3
Motor vehicle	2	1	-	1	-	1
Homicide	3	1	1	-	-	2
Undetermined whether accident or homicide	2	-	-	-	-	2
Diseases of the respiratory system	13	1	1	-	-	12
Pneumonia-Influenza	10	1	1	-	-	9
Diseases of circulatory system	12	2	1	1	-	10
Endocrine, nutritional, and metabolic diseases	10	5	4	1	-	5
Diseases of the nervous system and sense organs	9	3	-	1	2	6
Diseases of digestive system	7	4	2	2	-	3
Neoplasms	4	1	-	1	-	3
Malignant neoplasms	4	1	-	1	-	3
Diseases of genitourinary system	3	1	-	1	-	2
Diseases of blood and blood-forming organs	2	-	-	-	-	2

Table 11
FETAL DEATHS OF 20 WEEKS AND OVER BY CAUSE AND WEIGHT OF FETUS
MINNESOTA RESIDENTS, 1982

Cause of Death	Total Fetal Deaths	Weight in Grams: 1,000 or Less	1,001 to 1,500	1,501 to 2,000	2,001 to 2,500	2,501 to 3,000	3,001 to 3,500	3,501 to 4,000	4,001 to 4,500	4,501 and Over	Weight Unknown
Total All Causes	429	118	29	41	34	48	27	16	9	6	101
Complications of Placenta, Cord, or Membranes	163	33	7	18	16	23	11	8	1	2	44
Maternal Conditions Related to Pregnancy	36	21	1	1	3	-	1	-	-	-	9
Congenital Anomalies	41	9	4	5	5	4	2	1	1	-	10
Anencephalus and Similar Anomalies	(8)	(3)	(2)	(-)	(1)	(-)	(-)	(-)	(1)	(-)	(1)
Hydrocephalus	(1)	(-)	(-)	(-)	(1)	(-)	(-)	(-)	(-)	(-)	(-)
Short Gestation and Low Birthweight	26	20	-	-	-	-	-	-	-	-	6
Maternal Conditions Unrelated to Pregnancy	22	5	2	5	1	2	2	-	1	-	4
Other Diseases or Conditions of Fetus	21	3	3	3	2	1	2	1	1	1	4
Hypoxia and Birth Asphyxia	15	2	1	-	-	2	3	1	1	1	4
Slow Fetal Growth and Fetal Malnutrition	5	2	2	-	-	-	-	-	-	-	1
Complications of Labor and Delivery	4	1	-	-	-	1	-	-	-	1	1
Malpresentation of Fetus	(2)	-	-	-	-	-	-	-	-	(1)	(1)
Hemolytic Disease of Fetus	4	2	-	1	-	-	-	-	-	-	1
Syndrome of "Infant of a Diabetic Mother"	3	1	-	1	-	1	-	-	-	-	-
Ill-defined Conditions Originating in Perinatal Period	89	19	9	7	7	14	6	5	4	1	17

General Mortality

Every day in 1982, residents of Minnesota experienced an average of:

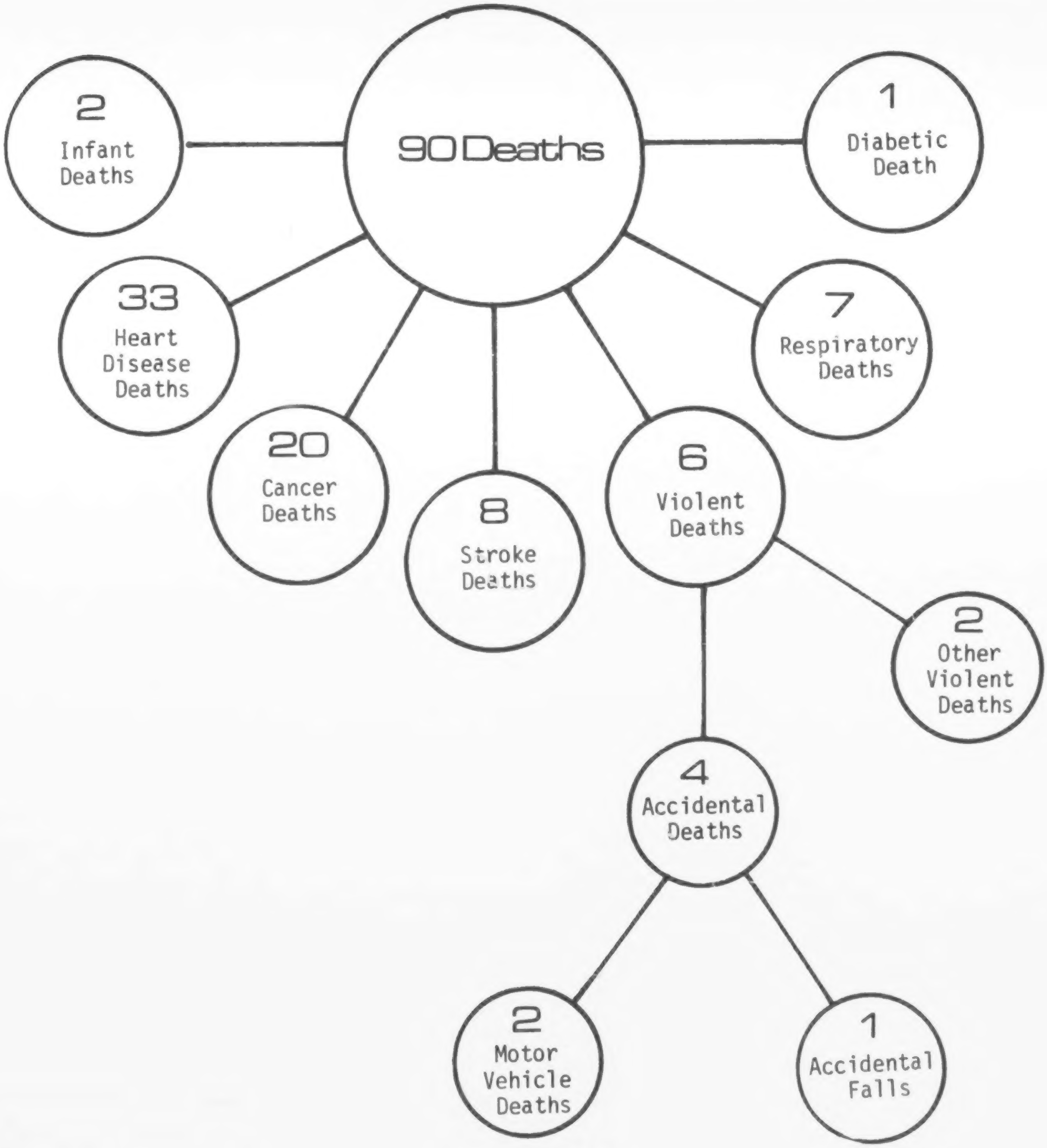

Table 12

DEATHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE: RESIDENT DEATHS DISTRIBUTED ACCORDING TO PLACE OF DEATH

MINNESOTA, 1982

	Deaths Occurring in County				Resident Deaths		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
State Total	33,408	25,783	5,851	1,774	5,851	1,342	32,976
Aitkin	151	135	15	1	59	2	196
Anoka	706	462	227	17	263	12	737
Becker	276	231	32	13	30	47	308
Beltrami	246	187	56	3	29	16	232
Benton	109	88	19	2	110	2	200
Big Stone	104	72	18	14	13	10	95
Blue Earth	476	340	130	6	70	7	417
Brown	313	248	63	2	43	2	293
Carlton	260	201	54	5	65	3	269
Carver	211	140	68	3	106	4	250
Cass	128	109	12	7	133	8	250
Chippewa	133	115	14	4	45	1	161
Chisago	184	148	33	3	62	22	232
Clay	222	186	24	12	22	128	336
Clearwater	89	72	15	2	10	6	88
Cook	31	23	6	2	10	2	35
Cottonwood	132	110	22	-	30	10	150
Crow Wing	471	374	89	8	61	15	450
Dakota	561	450	93	18	394	26	870
Dodge	51	44	7	-	67	2	113
Douglas	264	216	48	-	29	6	251
Faribault	188	158	16	14	55	5	218
Fillmore	175	158	15	2	68	31	257
Freeborn	364	306	37	21	61	12	379
Goodhue	378	309	38	31	101	7	417
Grant	76	67	8	1	30	2	99
Hennepin	8,497	6,660	1,480	357	485	152	7,297
Minneapolis	4,552	2,876	1,443	233	1,029	72	3,977
Houston	117	99	10	8	9	77	185
Hubbard	165	103	54	8	22	12	137
Isanti	160	118	42	-	41	2	161
Itasca	371	306	55	10	78	6	390
Jackson	116	107	9	-	23	9	139
Kanabec	130	92	38	-	36	-	128
Kandiyohi	408	274	131	3	46	8	328
Kittson	66	50	13	3	10	10	70
Koochiching	138	124	11	3	41	5	170
Lac Qui Parle	108	101	6	1	25	2	128
Lake	81	75	5	1	28	2	105
Lake of the Woods	44	33	10	1	3	5	41
Le Sueur	108	89	18	1	124	2	215
Lincoln	108	83	12	13	4	11	98
Lyon	198	161	33	4	32	24	217
McLeod	244	200	42	2	52	3	255
Mahnomen	49	43	6	-	12	8	63

Table 12
DEATHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE: RESIDENT DEATHS DISTRIBUTED ACCORDING TO PLACE OF DEATH, MINNESOTA, 1982 (CONT.)

	Deaths Occurring in County				Resident Deaths		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
Marshall	70	65	4	1	38	20	123
Martin	213	184	11	18	26	19	229
Meeker	208	170	36	2	53	1	224
Mille Lacs	207	154	47	6	38	2	194
Morrison	261	240	17	4	57	2	299
Mower	345	316	24	5	78	7	401
Murray	79	65	11	3	26	11	102
Nicollet	120	86	34	-	88	3	177
Nobles	200	158	30	12	16	31	205
Norman	72	64	6	2	23	21	108
Olmsted	1,535	542	448	545	37	14	593
Otter Tail	542	483	50	9	78	52	613
Pennington	183	124	57	2	12	21	157
Pine	115	99	16	-	113	6	218
Pipestone	121	108	9	4	7	11	126
Polk	319	277	30	12	36	81	394
Pope	125	114	11	-	26	5	145
Ramsey	4,042	3,204	713	125	439	63	3,706
St. Paul	3,559	2,347	1,091	121	332	40	2,719
Red Lake	36	35	1	-	20	7	62
Redwood	176	142	34	-	74	7	223
Renville	138	119	18	1	87	4	210
Rice	354	279	72	3	62	6	347
Rock	74	67	4	3	6	18	91
Roseau	111	94	11	6	18	14	126
St. Louis	2,480	2,090	189	201	111	33	2,234
Duluth	1,486	1,020	277	189	96	19	1,135
Scott	262	152	107	3	63	2	217
Sherburne	130	94	36	-	112	5	211
Sibley	86	84	2	-	55	1	140
Stearns	841	513	315	13	85	8	606
Steele	238	201	34	3	56	7	264
Stevens	92	82	9	1	17	4	103
Swift	112	100	12	-	52	5	157
Todd	148	135	10	3	98	4	237
Traverse	57	33	9	15	11	7	51
Wabasha	182	127	22	33	47	1	175
Wadena	209	144	64	1	34	13	191
Waseca	120	104	15	1	59	2	165
Washington	326	274	46	6	253	20	547
Watonwan	121	102	17	2	35	1	138
Wilkin	159	59	7	93	6	21	86
Winona	327	276	27	24	49	41	366
Wright	318	250	65	3	169	12	431
Yellow Medicine	147	107	37	3	44	3	154
Unknown	-	-	-	-	-	-	-

Table 13
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1982

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	32,976*	645	127	65	61	228	347	272	283	305	383	549	949	1,557	2,290	3,131	3,954	4,652	4,820	8,355
		M	17,775	365	75	38	43	169	262	210	197	198	237	322	620	1,014	1,480	2,020	2,367	2,580	2,390	3,188
		F	15,201*	280	52	27	18	59	85	62	86	107	146	227	329	543	810	1,111	1,587	2,072	2,430	5,167
000-139	I. INFECTIOUS AND PARASITIC DISEASES	T	259	16	6	1	-	3	2	5	1	4	4	4	5	8	20	20	32	23	38	67
		M	128	6	4	-	-	2	1	4	1	2	3	3	-	3	11	10	20	11	19	28
		F	131	10	2	1	-	1	1	1	-	2	1	1	5	5	9	10	12	12	19	39
001-009	Intestinal Infectious Diseases	T	5	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	-
		M	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
		F	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-
004	Shigellosis	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
010-018, 137	Tuberculosis (including late effects of)	T	16	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	2	4	1	7
		M	7	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1	4
		F	9	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	3	-	3
010-012	Respiratory Tuberculosis (Active)	T	13	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	3	1	7
		M	7	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1	4
		F	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	3
013-018	Other Tuberculosis (Active)	T	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
137	Late Effects of Tuberculosis	T	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
032	Diphtheria	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
033	Whooping Cough	T	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
034-035	Streptococcal Sore Throat, Scarlatina, and Erysipelas	T	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
036	Meningococcal Infection	T	3	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	2	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
037	Tetanus	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
038	Septicemia	T	145	11	1	1	-	-	1	1	-	-	3	3	2	2	9	11	19	12	25	44
		M	71	4	-	-	-	-	-	-	-	-	2	2	-	1	6	7	13	8	11	17
		F	74	7	1	1	-	-	1	1	-	-	1	1	2	1	3	4	6	4	14	27
045	Acute Poliomyelitis	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
055	Measles	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
062-064	Viral Encephalitis (Acute)	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
070	Viral Hepatitis	T	6	-	1	-	-	-	-	-	-	-	-	-	-	1	2	-	-	1	1	-
		M	5	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	-
		F	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
090-097	Syphilis	T	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Residual	Other Infectious and Parasitic Diseases	T	81	3	3	-	-	2	1	3	1	3	1	1	3	4	8	8	10	5	10	15
		M	41	1	2	-	-	1	1	3	1	2	1	1	-	1	4	3	6	1	6	7
		F	40	2	1	-	-	1	-	-	-	1	-	-	3	3	4	5	4	4	4	8
140-239	II. NEOPLASMS	T	7,314	4	9	12	11	19	25	25	53	67	117	190	342	557	812	1,015	1,089	1,132	867	968
		M	3,904	-	7	10	7	13	18	18	25	29	58	89	176	289	469	562	642	609	454	429
		F	3,410	4	2	2	4	6	7	7	28	38	59	101	166	268	343	453	447	523	413	539
140-208	Malignant Neoplasms	T	7,217	4	8	11	10	19	24	25	53	66	117	190	341	551	804	1,004	1,081	1,106	860	943
		M	3,865	-	6	9	7	13	17	18	25	29	58	89	176	286	464	557	641	597	451	422
		F	3,352	4	2	2	3	6	7	7	28	37	59	101	165	265	340	447	440	509	409	521
140-149	Of Lip, Oral Cavity and Pharynx	T	105	-	-	-	-	-	-	-	-	1	-	-	5	14	19	17	13	12	9	15
		M	77	-	-	-	-	-	-	-	-	1	-	-	3	11	15	15	8	10	7	7
		F	28	-	-	-	-	-	-	-	-	-	-	-	2	3	4	2	5	2	2	8
150-159	Of Digestive Organs and Peritoneum	T	1,997	-	-	1	1	1	-	2	7	9	23	35	78	129	214	258	302	339	264	334
		M	1,069	-	-	1	1	-	-	-	5	4	13	23	53	79	137	139	189	166	120	139
		F	928	-	-	-	-	1	-	2	2	5	10	12	25	50	77	119	113	173	144	195
150	Of Esophagus	T	132	-	-	-	-	-	-	-	-	-	-	2	12	19	19	18	23	21	7	11
		M	95	-	-	-	-	-	-	-	-	-	-	2	8	15	15	13	21	14	4	3
		F	37	-	-	-	-	-	-	-	-	-	-	-	4	4	4	5	2	7	3	8
151	Of Stomach	T	264	-	-	-	-	-	-	-	1	-	3	2	7	11	28	32	41	44	39	56
		M	167	-	-	-	-	-	-	-	1	-	2	2	6	11	21	23	32	23	20	26
		F	97	-	-	-	-	-	-	-	-	-	1	-	1	-	7	9	9	21	19	30
152	Of Small Intestine, Including Duodenum	T	20	-	-	-	-	-	-	-	-	-	1	-	2	3	2	3	3	2	3	1
		M	12	-	-	-	-	-	-	-	-	-	1	-	-	3	1	1	3	2	1	-
		F	8	-	-	-	-	-	-	-	-	-	-	-	2	-	1	2	-	-	2	1

Table 13
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1982 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
153	Of Colon	T	781	-	-	-	-	1	-	1	3	3	10	19	29	33	83	89	107	134	127	142
		M	407	-	-	-	-	-	-	-	1	1	5	13	20	16	52	43	62	64	60	70
		F	374	-	-	-	-	1	-	1	2	2	5	6	9	17	31	46	45	70	67	72
154	Of Rectum, Rectosigmoid Junction and Anus	T	161	-	-	-	-	-	-	-	-	2	3	3	4	13	13	19	28	24	19	33
		M	87	-	-	-	-	-	-	-	-	2	2	1	4	10	10	10	17	10	8	13
		F	74	-	-	-	-	-	-	-	-	-	1	2	-	3	3	9	11	14	11	20
160-165	Of Respiratory System	T	1,591	-	-	-	-	-	-	-	1	9	30	46	98	157	242	285	268	222	141	92
		M	1,113	-	-	-	-	-	-	-	-	5	19	28	66	104	172	200	205	159	105	50
		F	478	-	-	-	-	-	-	-	1	4	11	18	32	53	70	85	63	63	36	42
162	Of Trachea, Bronchus and Lung	T	1,507	-	-	-	-	-	-	-	1	9	30	41	92	150	229	275	251	213	135	81
		M	1,056	-	-	-	-	-	-	-	-	5	19	26	62	98	163	191	193	154	101	44
		F	451	-	-	-	-	-	-	-	1	4	11	15	30	52	66	84	58	59	34	37
170-175	Of Bone, Connective Tissue, Skin and Breast	T	865	1	-	1	1	2	2	5	14	15	25	44	74	90	95	108	99	108	79	102
		M	105	-	-	1	-	1	-	4	3	2	8	5	15	7	5	11	13	10	10	10
		F	760	1	-	-	1	1	2	1	11	13	17	39	59	83	90	97	86	98	69	92
172-173	Of Skin	T	119	1	-	-	-	-	-	2	5	2	7	7	11	9	11	15	9	14	12	14
		M	75	-	-	-	-	-	-	2	2	2	6	5	9	5	5	10	6	9	8	6
		F	44	1	-	-	-	-	-	-	3	-	1	2	2	4	6	5	3	5	4	8
174-175	Of Breast	T	688	-	-	-	-	-	-	1	7	13	15	36	54	78	62	89	81	90	61	81
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	688	-	-	-	-	-	-	1	7	13	15	36	54	78	82	89	81	90	61	81
179-189	Of Genitourinary Organs	T	1,251	-	1	-	-	2	4	4	8	10	10	21	34	71	101	150	211	215	196	213
		M	768	-	1	-	-	1	3	2	4	3	2	5	11	32	49	94	131	144	141	145
		F	483	-	-	-	-	1	1	2	4	7	8	16	23	39	52	56	80	71	55	68
179-182	Of Uterus, Cervix and Placenta	T	145	-	-	-	-	-	1	1	4	2	4	3	5	8	14	21	28	24	11	19
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	145	-	-	-	-	-	1	1	4	2	4	3	5	8	14	21	28	24	11	19
185	Of Prostate	T	487	-	-	-	-	-	-	-	-	-	-	2	1	14	23	53	88	99	104	103
		M	487	-	-	-	-	-	-	-	-	-	-	2	1	14	23	53	88	99	104	103
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
190-199	Of Other and Unspecified Sites	T	650	-	5	2	2	3	5	8	10	9	13	22	22	46	69	98	88	86	81	81
		M	343	-	3	2	1	3	4	6	7	5	7	14	9	26	45	53	53	47	30	28
		F	307	-	2	-	1	-	1	2	3	4	6	8	13	20	24	45	35	39	51	53
191-192	Of Brain and Other Parts of Central Nervous System	T	206	-	3	2	2	3	5	4	9	7	6	14	11	21	26	31	27	16	16	3
		M	112	-	1	2	1	3	4	3	6	5	2	10	5	9	15	16	13	9	7	1
		F	94	-	2	-	1	-	1	1	3	2	4	4	6	12	11	15	14	7	9	2
200-208	Of Lymphatic and Hematopoietic Tissue	T	758	3	2	7	6	11	13	6	13	13	16	22	30	44	64	88	100	124	90	106
		M	390	-	2	5	5	8	10	6	6	9	9	14	19	27	41	45	42	61	38	43
		F	368	3	-	2	1	3	3	-	7	4	7	8	11	17	23	43	58	63	52	63
201	Hodgkin's Disease	T	40	-	-	-	-	3	4	1	1	3	3	1	-	1	3	6	2	2	4	6
		M	27	-	-	-	-	3	4	1	1	3	1	1	-	-	3	3	1	1	2	3
		F	13	-	-	-	-	-	-	-	-	-	2	-	-	1	-	3	1	1	2	3
204-208	Leukemia	T	320	3	1	4	3	6	4	2	10	7	4	13	13	14	22	35	43	49	39	48
		M	167	-	1	2	2	4	2	2	5	4	1	8	9	11	12	20	19	24	20	21
		F	153	3	-	2	1	2	2	-	5	3	3	5	4	3	10	15	24	25	19	27
210-239	Benign Neoplasms and Neoplasms of Uncertain Behavior	T	97	-	1	1	1	-	1	-	-	1	-	-	1	6	8	11	8	26	7	25
		M	39	-	1	1	-	-	1	-	-	-	-	-	-	3	5	5	1	12	3	7
		F	58	-	-	-	1	-	-	-	-	1	-	-	1	3	3	6	7	14	4	18
240-279	III. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	T	740	10	2	2	1	4	5	7	10	12	8	9	12	34	51	62	89	128	118	176
		M	330	5	2	1	-	1	2	4	5	6	2	4	9	19	27	33	51	59	42	58
		F	410	5	-	1	1	3	3	3	5	6	6	5	3	15	24	29	38	69	76	118
250	Diabetes Mellitus	T	534	2	-	-	-	1	1	3	10	5	8	9	9	29	45	51	65	95	93	108
		M	233	-	-	-	-	-	-	1	5	3	2	4	8	15	24	27	33	43	30	38
		F	301	2	-	-	-	1	1	2	5	2	6	5	1	14	21	24	32	52	63	70
260-269	Nutritional Deficiencies	T	67	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	8	9	10	37
		M	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	7	5	11
		F	36	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	2	5	26
Residual	(240-249, 251-259, 270-279)	T	139	8	2	2	1	3	4	4	-	7	-	-	2	5	6	9	16	24	15	31
		M	66	5	2	1	-	1	2	3	-	3	-	-	1	4	3	5	11	9	7	9
		F	73	3	-	1	1	2	2	1	-	4	-	-	1	1	3	4	5	15	8	22
280-289	IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	T	102	2	-	-	-	1	-	-	1	1	4	2	3	2	2	9	14	17	16	28
		M	56	1	-	-	-	1	-	-	-	-	2	1	1	2	2	7	9	8	8	14
		F	46	1	-	-	-	-	-	-	1	1	2	1	2	-	-	2	5	9	8	14
280-285	Anemias	T	41	1	-	-	-	1	-	-	-	-	1	1	-	1	1	3	4	5	10	13
		M	23	1	-	-	-	1	-	-	-	-	1	-	-	1	1	3	3	2	4	6
		F	18	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	3	6	7
Residual	(286-289)	T	61	1	-	-	-	-	-	-	1	1	3	1	3	1	1	6	10	12	6	15
		M	33	-	-	-	-	-	-	-	-	-	1	1	1	1	1	4	6	6	4	8
		F	28	1	-	-	-	-	-	-	1	1	2	-	2	-	-	2	4	6	2	7
290-319	V. MENTAL DISORDERS	T	236	-	-	-	-	-	-	1	2	4	3	3	5	9	8	19	15	24	44	99
		M	111	-	-	-	-	-	-	1	-	4	1	3	5	8	5	17	6	11	19	31
		F	125	-	-	-	-	-	-	-	2	-	2	-	-	1	3	2	9	13	25	68
320-389	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	T	413	9	8	4	2	7	3	3	6	2	3	8	15	20	26	46	52	53	74	72
		M	228	6	5	2	2	4	1	3	4	2	1	4	5	13	13	30	25	39	41	28
		F	185	3	3	2	-	3	2	-	2	-	2	4	10	7	13	16	27	14	33	44
320-322	Meningitis (Excludes Infective Meningitis)	T	18	4	4	-	-	-	-	-	-	-	-	1	-	-	1	2	4	1	-	1
		M	9	2	3	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	1
		F	9	2	1	-	-	-	-	-	-	-	-	1	-	-	1	-	3	1	-	-
332	Parkinson's Disease	T	133	-	-	-	-	-	-	-	-	-	-	1	-	2	8	10	17	23	35	37
		M	73	-	-	-	-	-	-	-	-	-	-	1	-	-	6	8	9	17	16	16
		F	60	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	8	6	19	21

Table 13
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1982 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
340	Multiple Sclerosis	T	22	-	-	-	-	-	-	-	1	2	1	3	5	1	4	1	3	-	-	1
		M	8	-	-	-	-	-	-	-	-	2	-	2	-	-	2	1	1	-	-	-
		F	14	-	-	-	-	-	-	-	1	-	1	1	5	1	2	-	2	-	-	1
Residual	(323-331, 333-339, 341-389)	T	240	5	4	4	2	7	3	3	5	-	2	3	10	17	13	33	28	29	39	33
		M	138	4	2	2	2	4	1	3	4	-	1	1	5	13	5	19	14	22	25	11
		F	102	1	2	2	-	3	2	-	1	-	1	2	5	4	8	14	14	7	14	22
390-459	VII. DISEASES OF THE CIRCULATORY SYSTEM	T	16,554	12	8	1	1	9	13	25	31	62	101	189	386	632	992	1,461	2,019	2,490	2,808	5,314
		M	8,655	9	5	-	1	6	10	16	24	43	74	127	299	477	714	1,040	1,221	1,372	1,345	1,872
		F	7,899	3	3	1	-	3	3	9	7	19	27	62	87	155	278	421	798	1,118	1,463	3,442
390-398 402, 404-429	Diseases of the Heart	T	12,343	10	6	1	1	8	10	20	24	52	82	159	331	555	847	1,217	1,613	1,893	1,961	3,553
		M	6,897	7	4	-	1	5	8	14	19	40	66	115	265	439	632	901	1,013	1,068	981	1,319
		F	5,446	3	2	1	-	3	2	6	5	12	16	44	66	116	215	316	600	825	980	2,234
390-398	Acute Rheumatic Fever and Chronic Rheumatic Heart Disease	T	120	-	-	-	-	-	2	1	-	1	3	5	3	3	14	15	22	16	15	20
		M	41	-	-	-	-	-	2	1	-	1	3	1	1	2	3	4	6	5	4	8
		F	79	-	-	-	-	-	-	-	-	-	-	4	2	1	11	11	16	11	11	12
402, 404	Hypertensive Heart With or Without Renal Disease	T	223	-	-	-	-	-	-	-	-	-	1	2	4	7	13	22	21	32	44	77
		M	82	-	-	-	-	-	-	-	-	-	-	2	3	4	9	13	12	12	11	16
		F	141	-	-	-	-	-	-	-	-	-	1	-	1	3	4	9	9	20	33	61
410-414	Ischemic Heart Disease	T	9,303	-	-	-	-	-	-	6	16	39	64	124	269	456	681	972	1,274	1,475	1,459	2,468
		M	5,426	-	-	-	-	-	-	4	14	31	53	98	228	370	531	734	808	856	767	932
		F	3,877	-	-	-	-	-	-	2	2	8	11	26	41	86	150	238	466	619	692	1,536
410	Acute Myocardial Infarction	T	4,788	-	-	-	-	-	-	4	12	29	37	80	173	273	429	577	757	815	693	909
		M	2,937	-	-	-	-	-	-	2	10	22	30	65	144	228	329	434	468	479	355	371
		F	1,851	-	-	-	-	-	-	2	2	7	7	15	29	45	100	143	289	336	338	538
411	Other Acute and Subacute Forms	T	45	-	-	-	-	-	-	-	-	-	-	-	1	4	7	4	6	7	7	9
		M	27	-	-	-	-	-	-	-	-	-	-	-	1	4	5	3	3	4	4	3
		F	18	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3	3	3	6
412	Old Myocardial Infarction	T	30	-	-	-	-	-	-	-	-	-	-	-	1	1	4	7	2	5	3	7
		M	17	-	-	-	-	-	-	-	-	-	-	-	1	1	3	6	1	2	1	2
		F	13	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3	2	5
413	Angina Pectoris	T	14	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	3	5	1	3
		M	6	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	2	-	-
		F	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	1	3
414	Chronic Ischemic Heart Disease	T	4,426	-	-	-	-	-	-	2	4	10	27	44	93	178	241	383	506	643	755	1,540
		M	2,439	-	-	-	-	-	-	2	4	9	23	33	81	137	194	290	334	369	407	556
		F	1,987	-	-	-	-	-	-	-	-	1	4	11	12	41	47	93	172	274	348	984
415-416	Pulmonary Heart Disease	T	214	3	1	-	-	-	2	1	1	1	7	10	6	14	10	25	32	32	28	41
		M	92	2	1	-	-	-	1	-	-	-	5	2	3	7	3	18	18	12	7	13
		F	122	1	-	-	-	-	1	1	1	1	2	8	3	7	7	7	14	20	21	28
420-429	Other Forms of Heart Disease	T	2,483	7	5	1	1	8	6	12	7	11	7	18	49	75	129	183	264	338	415	947
		M	1,256	5	3	-	1	5	5	9	5	8	5	12	30	56	86	132	169	183	192	350
		F	1,227	2	2	1	-	3	1	3	2	3	2	6	19	19	43	51	95	155	223	597
401, 403	Hypertensive Disease (Without Mention of Heart Disease)	T	129	-	-	-	-	-	-	-	-	-	-	-	1	5	4	11	20	16	25	47
		M	62	-	-	-	-	-	-	-	-	-	-	-	-	4	3	6	11	8	11	19
		F	67	-	-	-	-	-	-	-	-	-	-	-	1	1	1	5	9	8	14	28
430-438	Cerebrovascular Disease	T	3,014	2	1	-	-	1	1	4	5	8	15	28	34	51	107	163	279	428	642	1,245
		M	1,191	2	1	-	-	1	-	2	3	1	5	11	21	20	56	90	134	204	266	374
		F	1,823	-	-	-	-	-	1	2	2	7	10	17	13	31	51	73	145	224	376	871
431	Cerebral Hemorrhage	T	315	-	-	-	-	-	1	1	1	1	6	8	16	12	18	25	37	51	65	73
		M	122	-	-	-	-	-	-	1	1	-	3	4	8	5	10	9	17	26	22	16
		F	193	-	-	-	-	-	1	-	-	1	3	4	8	7	8	16	20	25	43	57
434	Occlusion of Cerebral Arteries	T	448	1	1	-	-	1	-	-	1	-	1	3	3	6	16	29	43	62	98	183
		M	171	1	1	-	-	1	-	-	1	-	-	2	3	1	9	20	20	29	33	50
		F	277	-	-	-	-	-	-	-	-	-	1	1	-	5	7	9	23	33	65	133
440-448	Diseases of the Arteries, Arterioles and Capillaries	T	990	-	-	-	-	-	1	-	2	1	2	2	17	16	28	62	102	136	170	451
		M	465	-	-	-	-	-	1	-	2	1	1	1	11	12	18	39	61	83	84	151
		F	525	-	-	-	-	-	-	-	-	-	1	1	6	4	10	23	41	53	86	300
440	Arteriosclerosis	T	598	-	-	-	-	-	-	-	1	-	-	-	4	3	8	23	30	60	118	351
		M	231	-	-	-	-	-	-	-	1	-	-	-	3	1	5	10	12	35	52	112
		F	367	-	-	-	-	-	-	-	-	-	-	-	1	2	3	13	18	25	66	239
451-459	Diseases of Veins and Lymphatics and Other Diseases of Circulatory System	T	78	-	1	-	-	-	1	1	-	1	2	-	3	5	6	8	5	17	10	18
		M	40	-	-	-	-	-	1	-	-	1	2	-	2	2	5	4	2	9	3	9
		F	38	-	1	-	-	-	-	1	-	-	-	-	1	3	1	4	3	8	7	9
451	Phlebitis and Thrombophlebitis	T	38	-	-	-	-	-	-	1	-	1	1	-	3	1	4	4	2	9	4	8
		M	20	-	-	-	-	-	-	-	-	1	1	-	2	1	3	3	-	6	-	3
		F	18	-	-	-	-	-	-	1	-	-	-	-	1	-	1	1	2	3	4	5
460-519	VIII. DISEASES OF THE RESPIRATORY SYSTEM	T	2,388	13	7	3	2	9	2	6	4	7	8	14	30	55	114	198	306	373	403	834
		M	1,409	6	5	1	1	6	1	5	3	5	2	6	18	35	75	135	199	258	250	398
		F	979	7	2	2	1	3	1	1	1	2	6	8	12	20	39	63	107	115	153	436
466	Acute Bronchitis and Bronchiolitis	T	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	5
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	5
480-487	Pneumonia and Influenza	T	1,063	10	3	1	-	3	1	1	2	2	4	5	10	15	25	47	70	129	181	555
		M	539	4	2	1	-	2	-	1	2	1	1	2	6	11	20	28	42	79	108	229
		F	524	6	1	-	-	1	1	-	-	1	3	3	4	4	5	19	28	49	73	326
480-486	Pneumonia	T	1,024	10	2	1	-	3	1	1	2	2	4	5	10	14	23	47	69	124	177	529
		M	523	4	2	1	-	2	-	1	2	1	1	2	6	11	18	28	42	76	104	222
		F	501	6	-	-	-	1	1	-	-	1	3	3	4	3	5	19	27	48	73	307
487	Influenza	T	39	-	1	-	-	-	-	-	-	-	-	-	-	1	2	-	1	4	4	26
		M	16	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3	4	7
		F	23	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	19

Table 13

DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1982

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
490-491	Bronchitis, Chronic and Unspecified	T	68	-	1	-	-	1	1	-	-	-	-	-	1	-	5	9	7	11	11	21
		M	44	-	1	-	-	1	1	-	-	-	-	-	-	-	3	7	4	6	9	12
		F	24	-	-	-	-	-	-	-	-	-	-	-	1	-	2	2	3	5	2	9
492	Emphysema	T	199	-	-	-	-	-	-	-	-	-	-	-	5	5	17	28	42	39	37	26
		M	144	-	-	-	-	-	-	-	-	-	-	-	3	4	9	20	31	30	27	20
		F	55	-	-	-	-	-	-	-	-	-	-	-	2	1	8	8	11	9	10	6
493	Asthma	T	57	-	-	-	1	3	-	1	-	2	2	3	5	5	3	5	6	6	6	9
		M	28	-	-	-	-	1	-	1	-	2	1	1	1	3	2	4	1	3	3	5
		F	29	-	-	-	1	2	-	-	-	-	1	2	4	2	1	1	5	3	3	4
Residual	(460-465, 467-479, 494-519)	T	993	3	3	2	1	2	-	4	2	3	2	6	9	30	63	109	181	187	168	218
		M	654	2	2	-	1	2	-	3	1	2	-	3	8	17	41	76	121	140	103	132
		F	339	1	1	2	-	-	-	1	1	1	2	3	1	13	22	33	60	47	65	86
520-579	IX. DISEASES OF THE DIGESTIVE SYSTEM	T	1,128	7	4	-	-	1	3	5	8	13	22	33	51	74	95	121	119	134	153	285
		M	583	5	2	-	-	1	1	3	6	6	15	22	36	48	56	73	70	61	67	111
		F	545	2	2	-	-	-	2	2	2	7	7	11	15	26	39	48	49	73	86	174
531-533	Ulcer of the Stomach and Duodenum	T	135	-	-	-	-	-	-	-	1	-	3	1	4	2	9	10	14	19	33	39
		M	66	-	-	-	-	-	-	-	1	-	3	-	3	2	6	1	9	11	14	16
		F	69	-	-	-	-	-	-	-	-	-	-	1	1	-	3	9	5	8	19	23
540-543	Appendicitis	T	11	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	2	2	2
		M	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	2	1
		F	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1
550-553, 560	Hernia and Other Obstruction	T	92	4	1	-	-	1	-	-	-	-	1	3	2	1	5	4	7	8	17	38
		M	26	3	1	-	-	1	-	-	-	-	-	-	1	-	2	1	4	2	3	8
		F	66	1	-	-	-	-	-	-	-	-	1	3	1	1	3	3	3	6	14	30
571	Chronic Liver Disease and Cirrhosis	T	327	-	1	-	-	-	1	3	5	8	14	19	31	53	48	55	43	26	12	8
		M	226	-	-	-	-	-	1	3	4	4	9	17	25	35	31	43	27	16	6	5
		F	101	-	1	-	-	-	-	-	1	4	5	2	6	18	17	12	16	10	6	3
574-576	Cholelithiasis and Other Disorders of Gallbladder and Biliary Tract	T	79	-	-	-	-	-	-	-	-	-	1	2	2	2	2	8	7	11	10	34
		M	32	-	-	-	-	-	-	-	-	-	1	1	-	1	-	5	3	3	5	13
		F	47	-	-	-	-	-	-	-	-	-	-	1	2	1	2	3	4	8	5	21
Residual	(520-530, 534-539, 544-549, 554-559, 561-570, 572-573, 577-579)	T	484	3	2	-	-	-	2	2	2	5	3	8	12	16	30	43	45	68	79	164
		M	225	2	1	-	-	-	-	-	1	2	2	4	7	10	16	22	25	28	37	68
		F	259	1	1	-	-	-	2	2	1	3	1	4	5	6	14	21	20	40	42	96
580-629	X. DISEASES OF THE GENITOURINARY SYSTEM	T	417	3	-	-	1	1	1	1	1	-	3	3	9	6	18	19	48	60	96	147
		M	223	2	-	-	1	1	1	1	1	-	1	2	5	3	11	12	29	31	46	76
		F	194	1	-	-	-	-	-	-	-	-	2	1	4	3	7	7	19	29	50	71
580-589	Nephritis, Nephrotic Syndrome and Nephrosis	T	225	1	-	-	1	1	1	-	1	-	2	2	5	3	10	12	26	32	55	73
		M	119	1	-	-	1	1	1	-	1	-	1	2	2	2	6	10	13	13	25	40
		F	106	-	-	-	-	-	-	-	-	-	1	-	3	1	4	2	13	19	30	33
590	Infections of the Kidney	T	30	-	-	-	-	-	-	-	-	-	1	1	-	1	2	2	1	3	4	15
		M	11	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	7
		F	19	-	-	-	-	-	-	-	-	-	1	1	-	-	1	2	1	2	3	8
600	Hyperplasia of the Prostate	T	18	-	-	-	-	-	-	-	-	-	-	-		-	-	1	4	3	3	7
		M	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	3	3	7
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residual	(591-599, 601-629)	T	144	2	-	-	-	-	-	1	-	-	-	-	4	2	6	4	17	22	34	52
		M	75	1	-	-	-	-	-	1	-	-	-	-	3	-	4	1	12	14	17	22
		F	69	1	-	-	-	-	-	-	-	-	-	-	1	2	2	3	5	8	17	30
630-676	XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	T	3	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	3	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-
630-639	Pregnancy with Abortive Outcome	T	2	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	2	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-
640-648	Complications of Pregnancy	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residual	(649-676)	T	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
680-709	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	T	29	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4	1	2	7	14
		M	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	1	3
		F	21	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	1	6	11
710-739	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	T	105	-	-	-	-	-	1	2	2	3	-	2	5	5	5	10	15	20	16	19
		M	33	-	-	-	-	-	-	-	-	1	-	-	3	3	1	2	6	8	5	4
		F	72	-	-	-	-	-	1	2	2	2	-	2	2	2	4	8	9	12	11	15
740-759	XIV. CONGENITAL ANOMALIES	T	238	163	18	5	4	5	6	7	-	1	4	1	2	5	5	2	4	1	4	1
		M	125	86	11	2	1	4	4	5	-	-	2	1	1	1	3	-	1	1	2	-
		F	113	77	7	3	3	1	2	2	-	1	2	-	1	4	2	2	3	-	2	1
760-779	XV. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD[1]	T	279*	274	2	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
		M	162	160	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
		F	117*	114	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
780-799	XVI. SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS	T	663	118	2	-	1	1	1	2	3	3	3	5	6	30	48	52	61	76	69	182
		M	355	72	-	-	1	-	-	2	2	3	1	4	6	23	30	40	31	39	33	68
		F	308	46	2	-	-	1	1	-	1	-	2	1	-	7	18	12	30	37	36	114
E800-E999	XVII. ACCIDENTS, POISONINGS, AND VIOLENCE	T	2,108*	14	61	36	38	168	285	181	160	125	103	86	77	120	94	93	90	119	107	149
		M	1,465	7	34	21	29	130	223	148	126	96	75	56	56	90	63	57	56	72	58	68
		F	643*	7	27	15	9	38	62	33	34	29	28	30	21	30	31	36	34	47	49	81

Table 13
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1982

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
E800-	Accidents--Total	T	1,481*	9	53	36	30	118	188	119	95	74	52	50	46	81	61	71	63	98	95	141
E949		M	996	5	29	21	21	87	145	100	79	59	41	29	33	60	40	42	39	56	48	62
		F	485*	4	24	15	9	31	43	19	16	15	11	21	13	21	21	29	24	42	47	79
E810-	Motor Vehicle	T	637	2	21	16	17	86	127	74	46	41	29	22	13	34	12	24	16	29	19	9
E825	Accidents	M	452	2	10	12	10	62	93	60	39	30	25	12	9	21	7	14	10	17	13	6
		F	185	-	11	4	7	24	34	14	7	11	4	10	4	13	5	10	6	12	6	3
Re-	Other Accidents	T	844*	7	32	20	13	32	61	45	49	33	23	28	33	47	49	47	47	69	76	132
sid-	(800-809, 826-	M	544	3	19	9	11	25	52	40	40	29	16	17	24	39	33	28	29	39	35	56
ual	949)	F	300*	4	13	11	2	7	9	5	9	4	7	11	9	8	16	19	18	30	41	76
E950-	Suicide and Self-	T	476	-	-	-	4	40	66	44	49	42	38	31	23	34	29	18	22	18	12	6
E959	Inflicted Injury	M	371	-	-	-	4	36	56	35	36	29	27	24	19	28	21	12	15	13	10	6
		F	105	-	-	-	-	4	10	9	13	13	11	7	4	6	8	6	7	5	2	-
E960-	Homicide and Injury	T	108*	3	7	-	3	9	23	12	9	5	11	4	5	4	3	3	3	1	-	2
E969	Purposely Inflicted	M	65	1	4	-	3	6	14	8	7	4	6	3	2	2	1	2	1	1	-	-
	by Other Persons	F	43*	2	3	-	-	3	9	4	2	1	5	1	3	2	2	1	2	-	-	2
E970-	Legal Intervention	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E978		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E980-	Injury Undetermined	T	43	2	1	-	1	1	8	6	7	4	2	1	3	1	1	1	2	2	-	-
E989	Whether Accidentally	M	33	1	1	-	1	1	8	5	4	4	1	-	2	-	1	1	1	2	-	-
	or Purposely Inflicted	F	10	1	-	-	-	-	-	1	3	-	1	1	1	1	-	-	1	-	-	-
E990-	Injury Resulting from	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E999	Operations of War	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Includes age unknown

[1] For further detail on perinatal mortality see page 37.

Table 14
DEATHS DUE TO SELECTED CAUSES BY RACE
MINNESOTA RESIDENTS, 1982

	Total	White	Black	Indian	Other	Unknown
All Causes - Total	32,976	32,386	302	213	65	10
Infective - parasitic	259	244	8	6	1	-
Tuberculosis	14	12	1	1	-	-
Neoplasms - malignant	7,217	7,103	75	28	11	-
Digestive	1,997	1,957	28	10	2	-
Respiratory	1,591	1,563	14	9	5	-
Breast	688	679	8	1	-	-
Genital	873	862	7	4	-	-
Urinary	378	371	5	2	-	-
Leukemia	320	316	4	-	-	-
Diabetes mellitus	534	523	8	3	-	-
Major cardiovascular	16,476	16,280	94	75	20	7
Rheumatic	120	116	2	2	-	-
Hypertensive heart	223	219	3	-	-	1
Ischemic heart	9,303	9,200	46	44	8	5
Other heart	2,483	2,449	15	15	4	-
Hypertension	129	128	-	1	-	-
Cerebrovascular	3,014	2,982	18	9	4	1
Arteriosclerosis	598	594	2	2	-	-
Respiratory	2,388	2,359	11	15	3	-
Pneumonia	1,024	1,007	6	8	3	-
Influenza	39	38	-	1	-	-
Bronchitis	68	68	-	-	-	-
Emphysema	199	198	1	-	-	-
Asthma	57	55	1	1	-	-
Ulcer of stomach & duodenum	135	134	1	-	-	-
Hernia & intestinal obstruction	92	89	1	2	-	-
Chronic liver disease & cirrhosis	327	319	4	4	-	-
Nephritis, nephrotic syndrome & nephrosis	225	224	-	1	-	-
Kidney infections	30	30	-	-	-	-
Pregnancy, childbirth & puerperium	3	3	-	-	-	-
Congenital anomalies	238	219	6	4	9	-
Certain conditions originating in the perinatal period	279	250	17	6	6	-
Ill-defined	663	642	13	8	-	-
Other diseases	2,002	1,974	12	11	5	-
Accidents	1,481	1,410	27	36	8	-
Motor vehicle	637	613	5	15	4	-
Accidental falls	269	262	4	3	-	-
Suicide	476	466	4	4	1	1
Homicide	108	77	20	9	1	1
Other violent deaths	43	40	1	1	-	1

Table 15
FIFTEEN LEADING CAUSES OF DEATH, DEATH RATES PER 100,000 POPULATION AND PERCENT OF TOTAL DEATHS, MINNESOTA RESIDENTS, 1982

Cause of Death	Number of Deaths	Death Rates	Percent of Total
Heart Disease (390-398, 402, 404-429)	12,343	298.6	37.4
Cancer (Malignant neoplasms) (140-208)	7,217	174.6	21.9
Cerebrovascular Disease (430-438)	3,014	72.9	9.1
Accidental Deaths (800-949)	1,481	35.8	4.5
Motor vehicle (810-825)	(637)	(15.4)	(1.9)
Accidental falls (880-888)	(269)	(6.5)	(0.8)
Pneumonia and Influenza (480-487)	1,063	25.7	3.2
Pneumonia (480-486)	(1,024)	(24.8)	(3.1)
Influenza (487)	(39)	(0.9)	(0.1)
Arteriosclerosis (440)	598	14.5	1.8
Diabetes mellitus (250)	534	12.9	1.6
Suicide (950-959)	476	11.5	1.4
Chronic Liver Disease and Cirrhosis (571)	327	7.9	1.0
Chronic Bronchitis, Emphysema and Asthma (490-493)	324	7.8	1.0
Certain Conditions Originating in the Perinatal Period (760-779)	279	6.8	0.8
Congenital anomalies (740-759)	238	5.8	0.7
Nephritis, Nephrotic syndrome, and Nephrosis (580-589)	225	5.4	0.7
Septicemia (038)	145	3.5	0.4
Ulcer of Stomach and Duodenum (531-533)	135	3.3	0.4
All other causes	4,577	110.7	13.9
Total - all causes	32,976	797.8	100.0

Table 16
LEADING CAUSES OF DEATH BY SELECTED AGE GROUPS
MINNESOTA RESIDENTS, 1982

	No. of Deaths	Per- cent	Age/Cause Specific Death Rate Per 100,000 Population
1-4 Years			
Total, all causes	127	100.0	49.4
Accidental deaths	53	41.7	20.6
Motor vehicle	(21)	(16.5)	(8.2)
Congenital anomalies	18	14.2	7.0
Malignant neoplasms	8	6.3	3.1
Diseases of the nervous system and sense organs	8	6.3	3.1
Homicide	7	5.5	2.7
Diseases of the respiratory system	7	5.5	2.7
5-9 Years			
Total, all causes	65	100.0	22.9
Accidental deaths	36	55.4	12.7
Motor vehicle	(16)	(24.6)	(5.6)
Malignant neoplasms	11	16.9	3.9
Congenital anomalies	5	7.7	1.8
Diseases of the nervous system and sense organs	4	6.2	1.4
Diseases of the respiratory system	3	4.6	1.1
10-14 Years			
Total, all causes	61	100.0	18.8
Accidental deaths	30	49.2	9.3
Motor vehicle	(17)	(27.9)	(5.2)
Malignant neoplasms	10	16.4	3.1
Congenital anomalies	4	6.6	1.2
Suicide	4	6.6	1.2
Homicide	3	4.9	.9
15-19 Years			
Total, all causes	228	100.0	61.7
Accidental deaths	118	51.8	32.0
Motor vehicle	(86)	(37.7)	(23.3)
Suicide	40	17.5	10.8
Malignant neoplasms	19	8.3	5.1
Diseases of the respiratory system	9	3.9	2.4
Homicide	9	3.9	2.4
Diseases of the heart	8	3.5	2.2
20-34 Years			
Total, all causes	902	100.0	80.9
Accidental deaths	402	44.6	36.0
Motor vehicle	(247)	(27.4)	(22.1)
Suicide	159	17.6	14.3
Malignant neoplasms	102	11.3	9.1
Diseases of the heart	54	6.0	4.8
Homicide	44	4.9	3.9
Injuries undetermined whether accident, suicide or homicide	21	2.3	1.9
35-49 Years			
Total, all causes	1,237	100.0	184.6
Malignant neoplasms	373	30.2	55.7
Diseases of the heart	293	23.7	43.7
Accidental deaths	176	14.2	26.3
Motor vehicle	(92)	(7.4)	(13.7)
Suicide	111	9.0	16.6
Cerebrovascular disease	71	5.7	10.6
Chronic liver disease and cirrhosis	41	3.3	6.1
50-64 Years			
Total, all causes	4,796	100.0	871.3
Diseases of the heart	1,733	36.1	314.8
Malignant neoplasms	1,696	35.4	308.1
Cerebrovascular disease	192	4.0	34.9
Accidental deaths	188	3.9	34.2
Motor vehicle	(59)	(1.2)	(10.7)
Chronic liver disease and cirrhosis	132	2.8	24.0
Suicide	86	1.8	15.6
65-74 Years			
Total, all causes	7,085	100.0	2,559.4
Diseases of the heart	2,830	39.9	1,022.3
Malignant neoplasms	2,085	29.4	753.2
Cerebrovascular disease	442	6.2	159.7
Accidental deaths	134	1.9	48.4
Motor vehicle	(40)	(0.6)	(14.4)
Pneumonia and influenza	117	1.7	42.3
Diabetes	116	1.6	41.9
75 Years and Over			
Total, all causes	17,827	100.0	8,203.6
Diseases of the heart	7,407	41.5	3,408.5
Malignant neoplasms	2,909	16.3	1,338.7
Cerebrovascular disease	2,315	13.0	1,065.3
Pneumonia and influenza	864	4.8	397.6
Arteriosclerosis	529	3.0	243.4
Accidental deaths	334	1.9	153.7
Motor vehicle	(57)	(0.3)	(26.2)
Ill-defined conditions	327	1.8	150.5

Table 17
ACCIDENT FATALITIES OCCURRING IN MINNESOTA*
BY ACCIDENT CATEGORY** AND AGE GROUP†
1981 - 1982

		1982							
			AGE GROUP						
TYPE OF ACCIDENT	1981 TOTAL	TOTAL	<5	5-14	15-24	25-44	45-64	65+	Unknown Age
TOTAL ACCIDENTAL DEATHS	1,651	1,431	60	60	287	322	230	471	1
OCCUPATIONAL DEATHS	77	64	-	1	10	23	25	5	-
Agriculture	31	23	-	-	8	6	6	3	-
Mining, quarrying, oil and gas wells	1	-	-	-	-	-	-	-	-
Construction	6	7	-	-	-	4	3	-	-
Manufacturing, logging and lumber	7	16	-	1	1	4	8	2	-
Transportation and public utilities	7	4	-	-	1	3	-	-	-
Trade	-	3	-	-	-	2	1	-	-
Service	1	5	-	-	-	2	3	-	-
Government	1	1	-	-	-	1	-	-	-
Other and unspecified industry	23	5	-	-	-	1	4	-	-
HOME DEATHS	303	316	27	13	28	54	58	135	1
Poisonings (except gas)	48	39	-	1	4	14	12	8	-
Poisonings by gases and vapors	1	7	-	-	-	2	4	1	-
Falls	111	112	-	-	2	10	13	87	-
Fires	59	58	4	3	14	15	11	11	-
Drowning	9	15	6	-	1	1	2	4	1
Suffocation, ingested food or object	6	17	6	-	1	3	3	4	-
Suffocation, mechanical	14	13	5	1	1	2	2	2	-
Firearms	10	9	-	3	3	1	1	1	-
Other and unspecified home accidents	45	46	6	5	2	6	10	17	-
MOTOR VEHICLE DEATHS	808	602	22	31	199	173	78	99	-
Injury to pedestrian	104	78	4	10	23	18	10	13	-
Injury to pedal cyclist	9	11	-	5	2	-	1	3	-
Injury to rider of animal or occupant of animal-drawn vehicle	-	-	-	-	-	-	-	-	-
Collision with railroad train	15	7	2	-	1	3	1	-	-
Collision with other motor vehicle	343	294	9	10	78	86	48	63	-
Collision with fixed object	39	24	-	-	9	9	4	2	-
Noncollision	242	156	1	4	79	48	12	12	-
Other and unspecified motor vehicle accidents	56	32	6	2	7	9	2	6	-
PUBLIC NON-MOTOR VEHICLE	456	438	10	15	50	70	65	228	-
Railroad (not with motor vehicle)	6	5	1	-	-	-	-	4	-
Other road vehicle (not with motor vehicle)	2	4	-	1	-	1	1	1	-
Water transportation	20	24	-	-	5	12	6	1	-
Air transportation	22	14	-	-	2	9	3	-	-
Falls	157	159	1	-	3	4	16	135	-
Fires	8	5	-	-	1	3	-	1	-
Drowning	56	54	3	12	19	12	7	1	-
Firearms	12	3	-	1	1	-	-	1	-
Other and unspecified public accidents	173	170	5	1	19	29	32	84	-
ACCIDENT TYPE UNKNOWN	7	11	1	-	-	2	4	4	-

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* Includes only those deaths for which the accident occurred in Minnesota.

** National Safety Council categories.

† Age group applicable to 1982 only.

Table 18
DEATHS OCCURRING IN MINNESOTA BY CAUSE AND AUTOPSY STATUS
1982

	Cause of Death	Total Deaths	Autopsy Status					
			Number			Percent		
			Performed	Not Performed	Not Stated	Performed	Not Performed	Not Stated
	All Causes - Total	33,408	5,559	23,742	4,107	16.6	71.1	12.3
I.	Infectious and parasitic diseases	274	93	152	29	33.9	55.5	10.6
II.	Neoplasms	7,480	892	5,555	1,033	11.9	74.3	13.8
III.	Endocrine, nutritional, and metabolic diseases	745	117	538	90	15.7	72.2	12.1
IV.	Diseases of the blood and blood-forming organs	115	28	73	14	24.3	63.5	12.2
V.	Mental disorders	235	23	176	36	9.8	74.9	15.3
VI.	Diseases of the nervous system and sense organs	421	75	298	48	17.8	70.8	11.4
VII.	Diseases of the circulatory system	16,686	2,237	12,296	2,153	13.4	73.7	12.9
VIII.	Diseases of the respiratory system	2,371	318	1,757	296	13.4	74.1	12.5
IX.	Diseases of the digestive system	1,179	330	720	129	28.0	61.1	10.9
X.	Diseases of the genitourinary system	431	57	324	50	13.2	75.2	11.6
XI.	Complications of pregnancy, childbirth, and the puerperium	2	1	1	-	50.0	50.0	0.0
XII.	Diseases of the skin and subcutaneous tissue	26	1	22	3	3.8	84.6	11.5
XIII.	Diseases of the musculoskeletal system and connective tissue	115	26	72	17	22.6	62.6	14.8
XIV.	Congenital anomalies	299	196	91	12	65.6	30.4	4.0
XV.	Certain conditions originating in the perinatal period	298	133	133	32	44.6	44.6	10.7
XVI.	Symptoms and ill-defined conditions	668	141	472	55	21.1	70.7	8.2
XVII.	Accidents, poisoning, and violence	2,063	891	1,062	110	43.2	51.5	5.3

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*
MINNESOTA, 1982

		State	Aitkin	Anoka	Becker	Beltrami	Benton	Big Stone	Blue Earth	Brown	Carlton
DEATHS - Total		32,976	196	737	308	232	200	95	417	293	269
Rate:	Age & sex adjusted	8.0	9.3	7.2	8.4	7.4	8.4	8.0	8.2	8.3	8.2
Rate:	Sex adjusted-age specific										
	Under 5 years	2.4	1.0	1.5	3.4	4.1	2.2	-	2.3	1.8	1.3
	5-14 years	0.2	-	0.2	0.4	-	0.2	-	-	-	-
	15-24 years	0.7	-	0.6	0.9	0.9	0.6	-	0.4	0.7	0.6
	25-44 years	1.0	1.3	0.8	2.3	1.0	0.4	2.4	1.4	1.8	1.5
	45-64 years	7.2	10.6	5.9	6.0	8.7	4.7	9.7	8.5	6.9	8.2
	65 years and over	50.4	58.2	47.8	51.3	42.5	59.5	46.4	50.8	52.5	50.9
Sex:	Male	17,775	97	436	158	143	111	53	215	164	156
	Female	15,201	99	301	150	89	89	42	202	129	113
Race:	White	32,386	194	731	290	199	200	95	417	293	258
	Black	302	-	3	-	-	-	-	-	-	1
	Indian	213	2	1	17	33	-	-	-	-	10
	Other & Unknown	75	-	2	1	-	-	-	-	-	-
ICDA**	CAUSE OF DEATH										
001-139	Infective-parasitic	259	2	4	4	4	2	-	4	1	1
010-018	Tuberculosis	14	-	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	7,217	40	181	57	47	29	20	91	55	62
150-159	Digestive	1,997	15	43	20	20	8	10	24	10	17
160-165	Respiratory	1,591	9	53	13	8	9	4	19	10	11
174-175	Breast	688	2	15	4	3	3	-	6	10	5
179-187	Genital	873	5	16	3	6	-	2	14	9	8
188-189	Urinary	378	1	15	3	5	2	-	9	2	4
204-208	Leukemia	320	1	7	5	-	-	1	4	4	-
250	Diabetes mellitus	534	5	15	2	1	5	2	7	9	4
390-448	Major cardiovascular	16,476	119	343	154	114	122	55	220	163	136
390-398	Rheumatic heart	120	-	2	4	1	-	1	1	-	1
402,404	Hypertensive heart	223	2	3	2	-	2	-	1	2	3
410-414	Ischemic heart	9,303	75	212	90	63	69	30	138	98	72
420-429	Other heart	2,483	11	44	14	15	16	10	21	19	12
400-401, & 403	Hypertension	129	-	3	1	1	-	1	4	-	-
430-438	Cerebrovascular	3,014	26	42	30	22	25	11	40	30	29
440	Arteriosclerosis	598	3	14	7	7	8	-	6	10	11
460-519	Respiratory	2,388	14	56	31	18	13	6	26	20	24
480-486	Pneumonia	1,024	5	17	14	4	3	4	8	13	10
487	Influenza	39	-	1	3	-	-	-	-	-	-
490-491	Bronchitis	68	-	2	-	1	-	-	2	2	2
492	Emphysema	199	1	3	2	1	1	-	3	-	4
493	Asthma	57	-	2	-	1	1	-	1	-	1
531-533	Ulcer of stomach and duodenum	135	-	2	-	1	1	-	1	-	3
550-553, & 560	Hernia & intestinal obstruction	92	-	-	-	2	-	-	1	2	-
571	Chronic liver disease and cirrhosis	327	-	12	1	1	1	-	3	2	3
580-589	Nephritis, nephrotic syndrome & nephrosis	225	-	3	-	3	3	2	1	2	1
590	Kidney infection	30	-	-	1	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	3	-	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	238	-	7	4	5	2	-	2	1	2
760-779	Infant mortality	279	-	11	4	5	1	-	4	1	-
780-799	Ill-defined	663	1	10	1	-	-	-	4	1	1
Residual	Other diseases	2,002	9	35	26	14	13	4	19	21	18
E800-949	Accidents	1,481	5	41	19	13	5	5	27	11	8
E810-825	Motor vehicle	637	3	26	7	9	2	1	10	4	2
E880-888	Accidental falls	269	2	-	4	-	-	1	1	1	-
E950-959	Suicide	476	1	15	3	3	3	-	6	4	5
E960-978	Homicide & legal intervention	108	-	2	1	1	-	-	-	-	1
E980-999	Other violent deaths	43	-	-	-	-	-	1	1	-	-

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

		Carver	Cass	Chippewa	Chisago	Clay	Clear-water	Cook	Cotton-wood	Crow Wing	Dakota
Deaths - Total		250	250	161	232	336	88	35	150	450	870
Rate:	Age & sex adjusted	7.9	7.9	7.9	8.6	7.7	7.1	6.5	7.3	8.6	6.9
Rate:	Sex adjusted-age specific										
	Under 5 years	2.0	3.1	2.4	2.1	4.8	-	6.6	3.7	1.5	1.5
	5-14 years	0.2	0.3	1.0	-	0.2	-	-	0.5	0.5	0.2
	15-24 years	1.1	1.2	1.7	1.3	0.5	1.3	-	0.9	1.2	0.9
	25-44 years	1.2	0.4	0.9	1.7	0.9	1.9	1.6	0.6	1.8	0.9
	45-64 years	7.7	9.4	9.3	9.5	6.7	5.5	4.9	5.8	9.8	5.6
	65 years and over	48.2	46.4	45.1	50.1	48.5	44.2	39.0	46.9	49.4	44.8
Sex:	Male	149	145	91	130	187	50	24	83	256	477
	Female	101	105	70	102	149	38	11	67	194	393
Race:	White	250	233	161	231	335	87	32	149	449	865
	Black	-	-	-	-	1	-	-	-	-	4
	Indian	-	17	-	1	-	1	2	-	1	-
	Other & Unknown	-	-	-	-	-	-	1	1	-	1
ICDA**	CAUSE OF DEATH										
001-139	Infective-parasitic	3	3	-	3	1	1	-	1	2	7
010-018	Tuberculosis	-	-	-	-	-	-	-	-	1	1
140-208	Neoplasms-malignant	50	51	32	54	70	20	7	37	105	186
150-159	Digestive	16	12	9	7	23	8	-	13	35	49
160-165	Respiratory	12	12	8	15	17	3	3	8	27	40
174-175	Breast	3	3	8	4	5	2	1	-	4	16
179-187	Genital	9	7	1	8	7	4	-	8	12	23
188-189	Urinary	2	4	-	5	4	2	1	1	4	11
204-208	Leukemia	1	3	1	4	3	-	-	3	6	8
250	Diabetes mellitus	3	5	1	5	9	2	-	3	1	15
390-448	Major cardiovascular	121	129	95	125	166	51	14	79	236	387
390-398	Rheumatic heart	2	-	1	-	-	-	1	1	-	3
402,404	Hypertensive heart	-	1	-	2	1	-	-	3	5	6
410-414	Ischemic heart	78	71	50	67	96	42	5	40	127	235
420-429	Other heart	11	23	17	19	31	-	5	14	45	56
400-401, & 403	Hypertension	-	1	1	1	1	-	-	1	1	4
430-438	Cerebrovascular	24	23	18	28	27	6	3	15	43	58
440	Arteriosclerosis	3	2	6	3	7	1	-	2	3	12
460-519	Respiratory	25	15	9	10	26	6	5	11	37	59
480-486	Pneumonia	17	4	5	5	14	3	3	8	14	18
487	Influenza	-	-	-	1	3	-	-	-	-	2
490-491	Bronchitis	-	-	-	-	-	-	-	-	-	3
492	Emphysema	2	2	-	-	1	1	-	2	2	10
493	Asthma	-	1	-	1	-	1	-	-	-	1
531-533	Ulcer of stomach and duodenum	-	-	1	-	1	-	-	-	3	1
550-553, & 560	Hernia & intestinal obstruction	-	1	-	-	-	-	-	-	-	4
571	Chronic liver disease and cirrhosis	-	1	-	-	3	1	-	-	6	15
580-589	Nephritis, nephrotic syndrome & nephrosis	2	2	-	1	4	-	-	-	3	5
590	Kidney infection	-	-	-	-	-	-	-	-	-	1
630-676	Pregnancy, childbirth & puerperium	-	-	-	1	1	-	-	-	-	-
740-759	Congenital anomalies	4	3	-	1	-	-	-	1	1	8
760-779	Infant mortality	1	1	-	1	9	-	1	3	1	10
780-799	Ill-defined	4	6	3	2	8	-	-	1	4	28
Residual	Other diseases	13	15	11	9	18	6	5	6	22	51
E800-949	Accidents	13	14	9	16	17	-	3	6	16	73
E810-825	Motor vehicle	8	4	5	11	9	-	1	3	8	42
E880-888	Accidental falls	1	1	-	1	3	-	-	2	1	10
E950-959	Suicide	7	3	-	3	2	1	-	2	9	17
E960-978	Homicide & legal intervention	4	1	-	1	-	-	-	-	2	1
E980-999	Other violent deaths	-	-	-	-	1	-	-	-	2	2

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

		Dodge	Douglas	Faribault	Fillmore	Freeborn	Goodhue	Grant	Hennepin	Minn-eapolis
Deaths - Total		113	251	218	257	379	417	99	7,297	3,977
Rate:	Age & sex adjusted	7.1	6.8	8.0	8.1	8.6	8.5	8.2	8.2	9.5
Rate:	Sex adjusted-age specific									
	Under 5 years	3.5	2.1	1.4	1.2	3.4	2.9	-	2.6	3.4
	5-14 years	-	0.5	-	-	-	0.2	-	0.1	0.1
	15-24 years	0.4	0.7	0.9	1.1	0.8	0.6	1.8	0.7	0.8
	25-44 years	0.2	0.8	1.9	1.2	0.9	0.5	1.8	1.1	1.3
	45-64 years	8.2	5.5	7.6	6.0	7.0	7.9	6.1	7.3	10.5
	65 years and over	43.7	43.6	48.7	53.7	56.0	55.3	52.4	52.0	56.9
Sex:	Male	60	129	119	136	196	215	61	3,615	1,935
	Female	53	122	99	121	183	202	38	3,682	2,042
Race:	White	113	251	218	257	379	415	99	7,025	3,734
	Black	-	-	-	-	-	1	-	176	163
	Indian	-	-	-	-	-	1	-	63	60
	Other & Unknown	-	-	-	-	-	-	-	33	20
ICDA**	CAUSE OF DEATH									
001-139	Infective-parasitic	-	5	1	2	-	4	1	65	39
010-018	Tuberculosis	-	-	-	-	-	-	-	6	4
140-208	Neoplasms-malignant	24	60	46	43	78	97	21	1,664	845
150-159	Digestive	9	20	13	13	16	27	5	449	249
160-165	Respiratory	4	11	8	5	18	15	3	373	176
174-175	Breast	3	4	6	10	5	8	5	190	94
179-187	Genital	-	8	3	4	18	18	4	185	88
188-189	Urinary	1	4	4	-	2	5	-	87	48
204-208	Leukemia	1	1	2	-	5	9	-	69	36
250	Diabetes mellitus	1	1	2	5	4	2	4	106	56
390-448	Major cardiovascular	53	128	119	139	208	207	53	3,426	1,871
390-398	Rheumatic heart	-	1	-	-	1	1	-	34	16
402,404	Hypertensive heart	1	1	3	-	2	4	1	50	31
410-414	Ischemic heart	29	91	51	89	116	102	26	1,949	1,049
420-429	Other heart	12	10	20	13	40	30	8	454	259
400-401, & 403	Hypertension	-	-	1	-	-	-	1	29	13
430-438	Cerebrovascular	9	16	35	31	45	49	10	646	360
440	Arteriosclerosis	2	5	-	3	3	11	2	119	59
460-519	Respiratory	9	14	16	31	23	30	3	491	284
480-486	Pneumonia	3	5	7	16	3	19	1	186	113
487	Influenza	-	-	2	-	2	-	-	3	1
490-491	Bronchitis	1	-	-	2	1	2	-	13	9
492	Emphysema	1	1	2	-	1	1	1	54	22
493	Asthma	-	-	-	1	1	1	-	8	3
531-533	Ulcer of stomach and duodenum	-	-	2	1	-	3	-	30	16
550-553, & 560	Hernia & intestinal obstruction	1	-	1	1	-	3	1	22	14
571	Chronic liver disease and cirrhosis	2	1	-	4	5	3	-	90	51
580-589	Nephritis, nephrotic syndrome & nephrosis	3	1	2	4	1	3	-	51	28
590	Kidney infection	-	-	-	-	-	-	-	11	7
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	1	-
740-759	Congenital anomalies	2	1	1	1	3	3	-	60	24
760-779	Infant mortality	2	3	-	1	5	4	-	63	32
780-799	Ill-defined	5	3	1	-	6	2	-	239	165
Residual	Other diseases	7	15	14	11	33	36	9	465	269
E800-949	Accidents	3	12	11	12	9	13	6	299	160
E810-825	Motor vehicle	-	8	6	4	7	3	2	96	36
E880-888	Accidental falls	1	2	2	2	-	5	2	96	58
E950-959	Suicide	1	5	2	2	2	6	1	143	65
E960-978	Homicide & legal intervention	-	2	-	-	2	-	-	54	41
E980-999	Other violent deaths	-	-	-	-	-	1	-	17	10

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

		Houston	Hubbard	Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	Koochiching
Deaths - Total		185	137	161	390	139	128	328	70	170
Rate:	Age & sex adjusted	8.3	7.0	7.0	7.8	7.6	8.9	7.3	7.3	9.2
Rate:	Sex adjusted-age specific									
	Under 5 years	5.4	2.7	3.0	3.0	1.0	2.7	4.0	1.8	3.6
	5-14 years	-	-	0.4	-	0.5	-	0.7	-	-
	15-24 years	1.2	2.4	0.4	1.2	-	1.4	0.8	1.0	1.0
	25-44 years	0.8	1.4	1.1	1.1	0.6	1.3	0.6	0.7	0.4
	45-64 years	4.8	6.7	7.0	8.8	4.3	9.9	7.4	8.2	10.6
	65 years and over	54.4	39.5	42.2	45.6	54.2	52.6	43.9	44.2	56.3
Sex:	Male	100	88	96	245	74	71	184	34	102
	Female	85	49	65	145	65	57	144	36	68
Race:	White	185	134	160	384	138	128	328	70	166
	Black	-	-	1	-	1	-	-	-	-
	Indian	-	3	-	6	-	-	-	-	3
	Other & Unknown	-	-	-	-	-	-	-	-	1
ICDA**	CAUSE OF DEATH									
001-139	Infective-parasitic	4	4	1	3	2	1	2	-	3
010-018	Tuberculosis	-	-	-	1	-	-	-	-	-
140-208	Neoplasms-malignant	39	33	30	90	32	39	70	12	36
150-159	Digestive	11	9	10	25	11	16	20	2	11
160-165	Respiratory	6	8	4	31	5	7	17	2	9
174-175	Breast	2	2	2	5	3	3	8	2	4
179-187	Genital	8	3	3	9	3	3	10	-	4
188-189	Urinary	2	-	2	3	3	2	2	1	1
204-208	Leukemia	2	1	-	4	3	-	2	1	2
250	Diabetes Mellitus	4	-	2	5	3	4	3	3	3
390-448	Major cardiovascular	94	73	84	196	59	64	149	43	84
390-398	Rheumatic heart	1	1	-	-	-	-	-	1	1
402,404	Hypertensive heart	3	-	1	1	-	-	-	-	1
410-414	Ischemic heart	52	46	44	120	29	32	83	16	50
420-429	Other heart	18	9	14	25	11	10	23	13	14
400-401, & 403	Hypertension	-	-	1	4	-	-	2	-	1
430-438	Cerebrovascular	18	11	22	34	7	12	35	9	14
440	Arteriosclerosis	1	2	-	8	7	8	3	1	1
460-519	Respiratory	18	12	13	29	20	7	19	5	10
480-486	Pneumonia	11	7	4	16	8	5	11	5	2
487	Influenza	2	1	-	-	-	-	1	-	-
490-491	Bronchitis	-	-	-	1	-	-	-	-	-
492	Emphysema	1	-	2	3	3	-	2	-	2
493	Asthma	-	1	1	-	-	-	-	-	-
531-533	Ulcer of stomach and duodenum	1	-	-	2	1	-	1	-	3
550-553, & 560	Hernia & intestinal obstruction	-	-	2	1	1	-	1	-	1
571	Chronic liver disease and cirrhosis	-	-	-	4	1	-	5	-	-
580-589	Nephritis, nephrotic syndrome & nephrosis	1	-	2	1	2	-	6	2	3
590	Kidney infection	-	-	-	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	-	2	2	1	-	6	-	1
760-779	Infant mortality	-	2	2	7	-	2	6	-	3
780-799	Ill-defined	-	-	4	7	3	1	9	-	2
Residual	Other diseases	10	4	9	17	11	5	24	2	9
E800-949	Accidents	10	8	9	19	3	4	22	2	8
E810-825	Motor vehicle	4	5	6	6	2	4	9	2	1
E880-888	Accidental falls	-	3	-	3	-	-	2	-	1
E950-959	Suicide	3	1	1	7	-	1	5	-	3
E960-978	Homicide & legal intervention	-	-	-	-	-	-	-	-	1
E980-999	Other violent deaths	-	-	-	-	-	-	-	1	-

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

		Lac Qui Parle	Lake	Lake of the Woods	Le Sueur	Lin-coln	Lyon	Mc-Leod	Mahnomen	Marshall	Martin
DEATHS - Total		128	105	41	215	98	217	255	63	123	229
Rate:	Age & sex adjusted	8.1	7.8	8.0	7.9	8.0	7.7	7.3	9.1	7.5	6.9
Rate:	Sex adjusted-age specific										
	Under 5 years	3.8	1.9	3.4	3.5	-	2.7	2.0	3.9	1.0	2.1
	5-14 years	-	1.0	-	-	-	-	0.4	1.0	-	-
	15-24 years	1.2	0.4	-	1.2	2.3	0.8	0.4	0.9	0.9	0.2
	25-44 years	1.6	1.7	2.1	1.2	1.1	1.2	1.2	1.7	0.6	0.6
	45-64 years	5.5	7.5	2.5	8.0	5.3	6.0	6.4	7.3	6.7	7.3
	65 years and over	51.1	46.9	56.0	46.9	52.3	49.8	46.1	56.0	49.4	43.5
Sex:	Male	83	62	22	121	57	137	152	36	72	142
	Female	45	43	19	94	41	80	103	27	51	87
Race:	White	128	103	41	215	97	217	255	51	123	229
	Black	-	-	-	-	-	-	-	-	-	-
	Indian	-	1	-	-	-	-	-	12	-	-
	Other & Unknown	-	1	-	-	1	-	-	-	-	-
ICDA**	CAUSE OF DEATH										
001-139	Infective-parasitic	-	-	1	1	-	-	1	-	-	-
010-018	Tuberculosis	-	-	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	29	20	9	49	14	44	46	12	27	67
150-159	Digestive	8	7	1	14	4	12	17	4	11	20
160-165	Respiratory	7	4	5	9	1	13	7	-	3	15
174-175	Breast	2	2	-	5	1	3	4	-	1	4
179-187	Genital	2	3	1	3	2	5	5	3	5	9
188-189	Urinary	-	1	1	4	1	3	4	3	1	5
204-208	Leukemia	1	2	-	-	-	1	4	1	1	4
250	Diabetes mellitus	-	1	-	5	2	9	6	3	1	5
390-448	Major cardiovascular	80	53	26	115	62	122	143	34	74	117
390-398	Rheumatic heart	-	1	-	2	-	2	1	-	-	1
402,404	Hypertensive heart	1	-	3	1	-	2	1	-	2	-
410-414	Ischemic heart	46	29	15	63	33	66	82	14	33	81
420-429	Other heart	8	7	6	14	4	8	12	10	28	9
400-401, & 403	Hypertension	1	-	-	-	1	1	3	-	-	-
430-438	Cerebrovascular	18	15	2	28	22	31	37	5	10	19
440	Arteriosclerosis	5	-	-	2	-	5	4	1	-	3
460-519	Respiratory	7	4	2	9	8	11	14	5	5	15
480-486	Pneumonia	4	1	-	7	5	3	2	3	1	7
487	Influenza	1	-	-	-	-	-	-	-	1	-
490-491	Bronchitis	-	-	-	-	-	-	1	-	-	-
492	Emphysema	1	-	-	-	-	1	2	-	2	3
493	Asthma	-	-	-	-	-	1	3	-	-	-
531-533	Ulcer of stomach and duodenum	-	-	-	-	-	3	-	-	2	-
550-553, & 560	Hernia & intestinal obstruction	-	-	-	-	1	-	1	-	-	1
571	Chronic liver disease and cirrhosis	-	1	1	2	-	-	2	1	-	4
580-589	Nephritis, nephrotic syndrome & nephrosis	2	1	1	6	-	2	4	1	2	2
590	Kidney infection	-	-	-	-	1	-	2	-	1	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	2	-	1	-	2	4	-	-	1
760-779	Infant mortality	1	-	-	3	-	2	-	-	1	3
780-799	Ill-defined	-	-	-	4	1	2	-	-	1	-
Residual	Other diseases	3	11	1	13	4	7	12	1	5	8
E800-949	Accidents	4	9	-	4	5	11	17	5	4	4
E810-825	Motor vehicle	2	2	-	2	2	7	8	1	2	-
E880-888	Accidental falls	1	2	-	-	2	2	4	-	-	1
E950-959	Suicide	1	2	-	3	-	2	3	1	-	2
E960-978	Homicide & legal intervention	-	-	-	-	-	-	-	-	-	-
E980-999	Other violent deaths	-	1	-	-	-	-	-	-	-	-

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

		Meeker	Mille Lacs	Morrison	Mower	Murray	Nicollet	Nobles	Norman
DEATHS - Total		224	194	299	401	102	177	205	108
Rate:	Age & sex adjusted	8.2	8.2	8.8	7.7	6.7	7.1	7.5	7.0
Rate:	Sex adjusted-age specific								
	Under 5 years	2.3	0.6	2.9	2.1	1.1	2.6	1.8	-
	5-14 years	0.6	-	0.2	-	-	0.3	0.3	-
	15-24 years	0.3	1.2	0.9	0.3	-	0.6	1.0	-
	25-44 years	0.8	0.7	1.0	1.4	1.1	1.2	1.5	1.9
	45-64 years	8.0	8.6	7.5	8.1	6.7	6.0	7.4	6.2
	65 years and over	52.3	51.4	56.1	46.9	42.7	44.4	44.6	44.7
Sex:	Male	125	106	183	228	54	98	110	77
	Female	99	88	116	173	48	79	95	31
Race:	White	224	190	298	401	101	177	205	108
	Black	-	1	-	-	-	-	-	-
	Indian	-	3	1	-	-	-	-	-
	Other & Unknown	-	-	-	-	1	-	-	-
ICDA**	CAUSE OF DEATH								
001-139	Infective-parasitic	2	1	1	3	-	-	3	1
010-018	Tuberculosis	-	-	1	-	-	-	-	-
140-208	Neoplasms-malignant	40	38	68	84	18	46	49	23
150-159	Digestive	11	14	22	25	7	12	10	5
160-165	Respiratory	6	4	18	14	4	9	12	-
174-175	Breast	-	1	2	9	1	7	5	2
179-187	Genital	6	7	10	6	1	4	5	8
188-189	Urinary	1	1	5	7	-	1	1	1
204-208	Leukemia	1	1	1	7	2	3	5	1
250	Diabetes mellitus	3	3	4	2	2	3	-	4
390-448	Major cardiovascular	132	106	147	212	61	76	104	57
390-398	Rheumatic heart	-	-	2	-	-	1	-	-
402,404	Hypertensive heart	1	1	1	5	2	-	-	-
410-414	Ischemic heart	67	60	61	95	40	50	71	40
420-429	Other heart	17	5	46	71	5	8	16	3
400-401, & 403	Hypertension	3	1	-	1	-	1	1	1
430-438	Cerebrovascular	33	24	32	27	12	11	13	11
440	Arteriosclerosis	8	10	-	4	2	5	-	-
460-519	Respiratory	12	16	32	39	4	14	19	7
480-486	Pneumonia	5	8	19	16	2	8	12	4
487	Influenza	1	-	-	-	-	-	-	-
490-491	Bronchitis	1	-	-	-	-	-	-	-
492	Emphysema	-	1	1	2	-	1	-	-
493	Asthma	1	1	-	2	-	-	1	-
531-533	Ulcer of stomach and duodenum	1	1	1	-	-	1	-	2
550-553, & 560	Hernia & intestinal obstruction	-	2	2	2	-	1	-	1
571	Chronic liver disease and cirrhosis	3	1	1	2	3	3	2	1
580-589	Nephritis, nephrotic syndrome & nephrosis	3	-	-	3	-	2	2	1
590	Kidney infection	-	-	-	1	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	1	3	2	1	2	2	-
760-779	Infant mortality	2	-	3	3	-	2	-	-
780-799	Ill-defined	5	-	1	7	2	3	1	1
Residual	Other diseases	12	14	19	25	7	13	12	6
E800-949	Accidents	7	10	10	9	3	8	10	4
E810-825	Motor vehicle	3	5	3	5	1	4	5	2
E880-888	Accidental falls	-	2	1	1	1	2	1	1
E950-959	Suicide	1	-	7	6	1	3	1	-
E960-978	Homicide & legal intervention	-	1	-	1	-	-	-	-
E980-999	Other violent deaths	-	-	-	-	-	-	-	-

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

		Olmsted	Otter Tail	Pennington	Pine	Pipestone	Polk	Pope	Ramsey	St. Paul	Red Lake
Deaths - Total		593	613	157	218	126	394	145	3,706	2,719	62
Rate:	Age & sex adjusted	7.6	7.8	9.5	9.0	7.6	9.2	8.4	8.3	8.9	9.3
Rate:	Sex adjusted-age specific										
	Under 5 years	1.9	1.2	1.7	3.5	3.5	1.8	3.1	2.9	3.1	2.0
	5-14 years	0.2	0.3	-	1.0	0.6	0.2	-	0.2	0.3	2.4
	15-24 years	1.2	1.5	1.9	2.6	1.0	0.3	1.5	0.6	0.7	2.8
	25-44 years	0.9	1.3	1.0	1.3	0.4	1.7	0.8	1.0	1.1	3.0
	45-64 years	7.2	6.3	11.0	8.8	7.1	8.0	10.6	7.7	10.0	7.2
	65 years and over	47.4	49.5	56.9	51.1	47.8	59.2	48.1	52.3	53.3	50.7
Sex:	Male	306	355	100	130	65	208	86	1,887	1,385	41
	Female	287	258	57	88	61	186	59	1,819	1,334	21
Race:	White	587	611	157	216	125	392	145	3,579	2,601	62
	Black	3	-	-	-	-	-	-	101	96	-
	Indian	-	1	-	2	1	2	-	7	6	-
	Other & Unknown	3	1	-	-	-	-	-	19	16	-
ICDA**	CAUSE OF DEATH										
001-139	Infective-parasitic	5	8	-	1	-	3	1	29	22	1
010-018	Tuberculosis	-	-	-	-	-	-	1	1	-	-
140-208	Neoplasms-malignant	131	108	22	40	21	84	35	813	596	10
150-159	Digestive	33	28	7	10	5	22	5	200	150	4
160-165	Respiratory	35	23	5	9	5	9	8	198	139	3
174-175	Breast	13	9	2	1	4	5	7	72	55	-
179-187	Genital	14	19	2	7	3	16	6	89	63	-
188-189	Urinary	6	6	-	1	-	9	4	34	23	-
204-208	Leukemia	6	5	3	6	1	6	2	41	31	-
250	Diabetes mellitus	8	11	2	4	2	13	7	74	51	-
390-448	Major cardiovascular	271	321	92	101	57	201	65	1,803	1,320	32
390-398	Rheumatic heart	7	-	-	1	-	1	1	15	13	-
402,404	Hypertensive heart	2	1	-	2	-	2	-	21	14	-
410-414	Ischemic heart	166	194	48	52	31	109	43	1,058	770	19
420-429	Other heart	35	53	7	17	10	36	4	244	178	5
400-401, & 403	Hypertension	6	3	-	-	-	2	1	14	11	-
430-438	Cerebrovascular	42	56	26	22	6	30	9	289	215	4
440	Arteriosclerosis	5	9	4	3	8	12	4	86	59	4
460-519	Respiratory	45	59	9	18	18	27	11	287	225	5
480-486	Pneumonia	16	21	6	1	9	14	8	111	81	4
487	Influenza	-	1	-	3	1	1	-	3	2	-
490-491	Bronchitis	6	3	-	3	-	-	-	7	6	-
492	Emphysema	3	4	-	1	1	-	-	31	25	-
493	Asthma	2	1	-	1	-	1	-	7	6	-
531-533	Ulcer of stomach and duodenum	1	4	-	1	1	3	1	19	14	1
550-553, & 560	Hernia & intestinal obstruction	3	-	-	-	1	1	-	17	14	-
571	Chronic liver disease and cirrhosis	5	2	-	3	-	8	1	48	35	-
580-589	Nephritis, nephrotic syndrome & nephrosis	3	8	2	-	-	3	1	18	16	-
590	Kidney infection	-	1	-	1	-	-	-	5	4	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	7	2	1	2	-	1	2	32	22	1
760-779	Infant mortality	7	3	2	1	1	2	-	32	16	-
780-799	Ill-defined	14	2	3	8	6	2	5	116	90	2
Residual	Other diseases	41	43	10	11	14	34	11	209	151	3
E800-949	Accidents	40	31	12	26	3	6	3	132	94	5
E810-825	Motor vehicle	21	14	7	11	2	1	2	50	28	3
E880-888	Accidental falls	4	4	2	4	-	2	-	31	27	-
E950-959	Suicide	11	9	1	1	2	5	1	51	38	2
E960-978	Homicide & legal intervention	-	1	1	-	-	1	1	15	9	-
E980-999	Other violent deaths	1	-	-	-	-	-	-	6	2	-

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

		Redwood	Renville	Rice	Rock	Roseau	St. Louis	Duluth	Scott	Sherburne
DEATHS - Total		223	210	347	91	126	2,234	1,135	217	211
Rate:	Age & sex adjusted	8.5	7.7	7.8	6.5	8.4	9.1	10.6	6.7	9.1
Rate:	Sex adjusted-age specific									
	Under 5 years	3.3	2.5	1.9	2.3	6.0	2.1	1.7	1.7	2.9
	5-14 years	-	-	0.1	0.6	0.5	0.2	0.1	0.1	0.7
	15-24 years	0.3	1.8	0.2	-	1.4	0.8	0.9	0.6	0.6
	25-44 years	1.6	1.7	0.6	0.8	1.2	1.3	1.8	0.6	1.0
	45-64 years	7.9	4.8	6.4	4.6	10.9	9.3	11.2	4.5	4.6
	65 years and over	52.6	49.0	52.2	43.7	44.4	56.0	65.2	45.6	63.4
Sex:	Male	126	117	165	51	74	1,181	561	120	106
	Female	97	93	182	40	52	1,053	574	97	105
Race:	White	222	208	347	91	126	2,213	1,127	216	210
	Black	-	-	-	-	-	5	3	-	-
	Indian	1	1	-	-	-	13	3	1	-
	Other & Unknown	-	1	-	-	-	3	2	-	1
ICDA**	CAUSE OF DEATH									
001-139	Infective-parasitic	1	-	3	1	1	23	8	4	-
010-018	Tuberculosis	-	-	-	-	-	-	-	1	-
140-208	Neoplasms-malignant	51	45	89	20	25	496	270	55	44
150-159	Digestive	16	13	21	5	9	137	70	14	12
160-165	Respiratory	7	12	21	4	5	111	59	11	10
174-175	Breast	4	3	12	2	1	57	35	6	8
179-187	Genital	9	4	10	3	5	47	30	9	7
188-189	Urinary	5	-	4	1	1	21	9	1	2
204-208	Leukemia	-	2	5	-	-	21	13	6	-
250	Diabetes mellitus	4	4	3	-	2	32	14	4	4
390-448	Major cardiovascular	120	112	177	51	62	1,104	537	101	114
390-398	Rheumatic heart	-	-	3	-	-	8	5	1	1
402,404	Hypertensive heart	1	-	9	3	2	26	10	-	3
410-414	Ischemic heart	69	61	82	29	35	592	287	63	57
420-429	Other heart	21	27	32	4	12	194	93	11	19
400-401, & 403	Hypertension	-	2	3	-	-	10	6	2	1
430-438	Cerebrovascular	25	16	37	13	9	198	104	18	26
440	Arteriosclerosis	2	3	5	-	3	35	14	4	4
460-519	Respiratory	12	16	28	8	7	194	106	11	14
480-486	Pneumonia	4	9	13	1	2	98	58	10	7
487	Influenza	-	-	1	-	-	5	1	-	-
490-491	Bronchitis	2	-	1	-	-	4	1	-	-
492	Emphysema	2	1	2	1	1	11	9	-	2
493	Asthma	2	-	1	-	-	4	2	-	-
531-533	Ulcer of stomach and duodenum	2	1	2	-	1	8	3	-	-
550-553, & 560	Hernia & intestinal obstruction	3	-	2	-	1	-	-	-	-
571	Chronic liver disease and cirrhosis	1	-	2	-	2	29	19	2	1
580-589	Nephritis, nephrotic syndrome & nephrosis	-	3	1	-	-	8	2	4	-
590	Kidney infection	-	-	-	-	-	1	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	2	2	-	4	5	3	2	5
760-779	Infant mortality	1	-	1	1	1	13	5	4	3
780-799	Ill-defined	5	1	3	1	1	46	36	5	1
Residual	Other diseases	11	11	22	6	7	135	70	13	9
E800-949	Accidents	9	12	6	1	11	95	41	9	11
E810-825	Motor vehicle	3	5	4	1	5	40	17	7	8
E880-888	Accidental falls	1	3	2	-	3	16	10	-	-
E950-959	Suicide	2	3	5	1	1	34	15	1	5
E960-978	Homicide & legal intervention	-	-	1	-	-	5	4	1	-
E980-999	Other violent deaths	-	-	-	1	-	6	2	1	-

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

		Sibley	Stearns	Steele	Stevens	Swift	Todd	Traverse	Wabasha	Wadena
DEATHS - Total		140	606	264	103	157	237	51	175	191
Rate:	Age & sex adjusted	6.7	6.2	8.2	7.9	8.6	7.3	6.0	7.6	10.4
Rate:	Sex adjusted-age specific									
	Under 5 years	1.6	1.7	2.3	1.1	1.0	3.0	2.5	2.5	6.8
	5-14 years	-	0.3	-	-	-	0.2	-	0.3	0.5
	15-24 years	0.8	0.5	1.2	0.4	0.5	0.6	-	0.3	0.4
	25-44 years	1.6	0.7	0.8	1.2	0.3	0.8	1.9	0.6	1.2
	45-64 years	6.7	5.7	5.9	6.5	10.2	8.9	4.2	7.8	7.6
	65 years and over	40.3	39.5	54.2	52.3	54.4	42.6	37.4	47.5	67.0
Sex:	Male	85	358	129	48	92	138	26	94	99
	Female	55	248	135	55	65	99	25	81	92
Race:	White	139	604	264	102	157	237	48	175	191
	Black	1	-	-	-	-	-	-	-	-
	Indian	-	1	-	-	-	-	3	-	-
	Other & Unknown	-	1	-	1	-	-	-	-	-
ICDA**	CAUSE OF DEATH									
001-139	Infective-parasitic	1	3	3	-	-	3	-	-	1
010-018	Tuberculosis	-	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	30	136	66	16	45	51	11	34	30
150-159	Digestive	14	42	20	5	14	17	6	8	7
160-165	Respiratory	3	35	14	3	7	9	1	7	3
174-175	Breast	4	14	7	1	4	6	-	2	4
179-187	Genital	4	11	9	2	8	5	2	7	3
188-189	Urinary	2	9	5	-	1	5	-	3	1
204-208	Leukemia	-	6	4	-	1	-	2	2	2
250	Diabetes mellitus	2	8	2	2	4	4	1	5	3
390-448	Major cardiovascular	54	337	129	60	87	122	23	92	107
390-398	Rheumatic heart	1	2	-	-	1	1	-	-	-
402,404	Hypertensive heart	1	8	2	1	-	-	-	1	-
410-414	Ischemic heart	29	195	71	35	49	72	8	48	57
420-429	Other heart	5	55	19	6	13	27	4	20	26
400-401, & 403	Hypertension	1	5	-	1	1	-	-	-	-
430-438	Cerebrovascular	11	49	28	14	12	13	11	14	16
440	Arteriosclerosis	5	12	7	-	9	4	-	3	6
460-519	Respiratory	10	26	17	8	5	15	6	11	14
480-486	Pneumonia	6	7	4	5	1	6	5	2	6
487	Influenza	-	-	-	-	-	-	-	-	-
490-491	Bronchitis	-	2	3	-	-	1	-	1	-
492	Emphysema	1	2	1	-	-	-	-	2	1
493	Asthma	-	1	-	1	-	-	-	-	1
531-533	Ulcer of stomach and duodenum	2	2	1	1	2	1	-	1	-
550-553, & 560	Hernia & intestinal obstruction	-	-	1	-	-	-	1	1	2
571	Chronic liver disease and cirrhosis	4	3	1	1	-	2	1	1	2
580-589	Nephritis, nephrotic syndrome & nephrosis	3	4	2	1	-	-	-	2	3
590	Kidney infection	-	1	-	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	-	3	1	-	-	1	-	2	3
760-779	Infant mortality	1	6	3	-	1	2	1	-	3
780-799	Ill-defined	11	4	2	2	2	3	-	2	1
Residual	Other diseases	10	30	18	8	7	19	3	15	12
E800-949	Accidents	11	31	13	4	2	11	4	8	10
E810-825	Motor vehicle	1	14	8	2	-	4	3	4	4
E880-888	Accidental falls	4	1	3	-	1	-	-	1	1
E950-959	Suicide	1	10	4	-	1	3	-	1	-
E960-978	Homicide & legal intervention	-	2	1	-	1	-	-	-	-
E980-999	Other violent deaths	-	-	-	-	-	-	-	-	-

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1982 (CONT.)

		Waseca	Washington	Watonwan	Wilkin	Winona	Wright	Yellow Medicine	Un-known
DEATHS - Total		165	547	138	86	366	431	154	-
Rate:	Age & sex adjusted	7.9	8.1	8.1	8.1	7.4	7.9	8.1	-
Rate:	Sex adjusted-age specific								
	Under 5 years	2.3	2.0	1.0	-	2.4	2.3	2.9	-
	5-14 years	1.0	0.2	-	2.3	0.2	0.3	0.5	-
	15-24 years	0.5	0.5	0.5	1.7	0.5	0.8	0.8	-
	25-44 years	0.6	0.8	0.3	1.0	1.5	1.4	1.0	-
	45-64 years	7.6	4.9	7.3	8.9	6.1	8.3	6.8	-
	65 years and over	49.7	55.9	54.4	46.4	46.6	47.4	51.2	-
Sex:	Male	95	299	78	53	199	262	87	-
	Female	70	248	60	33	167	169	67	-
Race:	White	165	543	138	86	366	430	152	-
	Black	-	2	-	-	-	1	-	-
	Indian	-	1	-	-	-	-	1	-
	Other & Unknown	-	1	-	-	-	-	1	-
ICDA**	CAUSE OF DEATH								
001-139	Infective-parasitic	-	4	1	-	2	4	1	-
010-018	Tuberculosis	-	-	-	-	1	-	-	-
140-208	Neoplasms-malignant	34	145	28	17	79	88	27	-
150-159	Digestive	11	43	7	6	15	23	8	-
160-165	Respiratory	6	31	6	5	20	21	6	-
174-175	Breast	2	15	6	1	9	1	1	-
179-187	Genital	5	24	4	3	10	11	5	-
188-189	Urinary	-	3	5	-	7	7	1	-
204-208	Leukemia	1	5	-	-	3	2	-	-
250	Diabetes mellitus	2	7	1	1	6	11	2	-
390-448	Major cardiovascular	89	257	79	39	178	218	92	-
390-398	Rheumatic heart	2	1	1	-	3	1	-	-
402,404	Hypertensive heart	-	4	1	1	6	1	4	-
410-414	Ischemic heart	41	145	52	24	76	121	43	-
420-429	Other heart	28	43	5	4	46	40	27	-
400-401 & 403	Hypertension	-	2	-	-	2	-	-	-
430-438	Cerebrovascular	12	46	15	7	28	43	16	-
440	Arteriosclerosis	2	7	3	1	8	8	2	-
460-519	Respiratory	9	42	8	7	25	19	13	-
480-486	Pneumonia	4	18	5	7	10	11	8	-
487	Influenza	-	-	-	-	-	-	-	-
490-491	Bronchitis	-	-	-	-	1	-	-	-
492	Emphysema	1	2	1	-	2	1	2	-
493	Asthma	1	-	-	-	-	2	-	-
531-533	Ulcer of stomach and duodenum	2	1	1	-	2	5	-	-
550-553, & 560	Hernia & intestinal obstruction	1	1	-	-	-	-	1	-
571	Chronic liver disease and cirrhosis	2	3	1	-	4	5	2	-
580-589	Nephritis, nephrotic syndrome & nephrosis	1	6	1	-	1	3	1	-
590	Kidney infection	-	-	-	2	1	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	5	-	-	1	4	-	-
760-779	Infant mortality	1	5	-	-	6	2	3	-
780-799	Ill-defined	1	10	3	1	2	14	-	-
Residual	Other diseases	10	25	8	9	41	25	3	-
E800-949	Accidents	9	28	6	9	15	26	7	-
E810-825	Motor vehicle	4	11	1	3	2	16	2	-
E880-888	Accidental falls	1	6	3	-	4	1	3	-
E950-959	Suicide	3	6	1	1	2	6	2	-
E960-978	Homicide & legal intervention	-	2	-	-	1	-	-	-
E980-999	Other violent deaths	-	-	-	-	-	1	-	-

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* As of the 1980 Census.

** For detailed causes see pages 44-48.

Marriage and Divorce

Table 20
MARRIAGES REPORTED IN MINNESOTA BY STATE OF RESIDENCE
1982

State of Residence	Marriages Reported		Percent of Marriages Reported	
	Residence of Bride	Residence of Groom	Residence of Bride	Residence of Groom
Total	37,409	37,409	100.0	100.0
Minnesota*	35,211	33,665	94.1	90.0
Other Areas and Unknown	2,198	3,744	5.9	10.0
Iowa	183	316	0.5	0.8
North Dakota	389	542	1.0	1.4
South Dakota	108	181	0.3	0.5
Wisconsin	393	627	1.1	1.7
Other States	1,065	1,961	2.8	5.2
U.S. Territories	1	2	0.0	0.0
Other Nations	59	115	0.2	0.3
Unknown	-	-	-	-

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* The resident totals are not true resident totals for Minnesota. Information is not available at the present time on the number of Minnesotans who marry in other states.

Table 21
MARRIAGES, DIVORCES, AND ANNULMENTS BY COUNTY OF OCCURRENCE
MINNESOTA, 1982

County	Marriages	Divorces	Annulments	Unknown Divorce or Annulment
State Total	37,409	15,054	27	96
Aitkin	107	36	-	-
Anoka	1,438	926	2	-
Becker	226	98	-	-
Beltrami	379	119	-	-
Benton	86	-	-	-
Big Stone	60	16	-	-
Blue Earth	569	164	-	-
Brown	254	74	-	-
Carlton	282	116	-	1
Carver	286	82	-	-
Cass	112	62	1	-
Chippewa	104	31	-	-
Chisago	215	90	-	-
Clay	600	103	-	47
Clearwater	100	31	-	-
Cook	48	15	-	1
Cottonwood	96	27	-	-
Crow Wing	463	203	2	-
Dakota	862	846	2	-
Dodge	111	47	-	-
Douglas	274	83	-	-
Faribault	126	42	-	-
Fillmore	112	36	-	-
Freeborn	330	123	-	-
Goodhue	278	96	-	-
Grant	58	11	-	-
Hennepin	11,186	4,537	12	2
Houston	161	30	-	10
Hubbard	113	56	-	-
Isanti	200	78	-	-
Itasca	381	153	-	-
Jackson	99	28	-	-
Kanabec	93	44	-	3
Kandiyohi	361	132	-	1
Kittson	44	11	-	-
Koochiching	133	92	-	-
Lac Qui Parle	64	5	-	16
Lake	84	56	-	-
Lake of the Woods	36	10	-	-
Le Sueur	126	50	-	-
Lincoln	48	12	-	-
Lyon	232	72	-	-
McLeod	249	67	-	-
Mahnomen	45	15	-	-
Marshall	101	-	-	-

Table 21
MARRIAGES, DIVORCES, AND ANNULMENTS BY COUNTY OF OCCURRENCE
MINNESOTA, 1982 (CONT.)

County	Marriages	Divorces	Annulments	Unknown Divorce or Annulment
Martin	207	67	-	-
Meeker	175	35	-	4
Mille Lacs	156	64	-	-
Morrison	237	82	-	-
Mower	348	118	-	-
Murray	69	16	-	-
Nicollet	198	-	-	-
Nobles	200	43	-	-
Norman	54	18	-	-
Olmsted	1,076	412	1	-
Otter Tail	282	159	-	-
Pennington	174	48	-	-
Pine	167	65	-	-
Pipestone	97	27	-	-
Polk	349	98	1	-
Pope	79	28	-	-
Ramsey	4,504	1,769	4	2
Red Lake	27	10	-	-
Redwood	134	45	-	-
Renville	95	26	-	-
Rice	316	127	-	-
Rock	104	-	-	-
Roseau	109	31	-	-
St. Louis	1,937	951	-	6
Scott	488	168	-	-
Sherburne	203	105	-	-
Sibley	80	23	-	-
Stearns	1,248	283	-	-
Steele	264	112	-	-
Stevens	109	27	-	-
Swift	72	31	-	-
Todd	153	74	-	-
Traverse	39	-	-	-
Wabasha	132	58	-	1
Wadena	179	1	-	-
Waseca	153	50	-	-
Washington	766	543	2	-
Watonwan	106	38	-	-
Wilkin	77	14	-	1
Winona	407	146	-	-
Wright	404	186	-	-
Yellow Medicine	103	31	-	1
Unknown	-	-	-	-

Table 22
MARRIAGES OCCURRING IN MINNESOTA BY RACE OF BRIDE AND GROOM, 1982

	GROOM								
BRIDE	TOTAL	WHITE	BLACK	INDIAN	CHINESE	JAPANESE	OTHER* ASIAN	OTHER	UNKNOWN
TOTAL	37,409	32,729	648	258	38	14	140	23	3,559
WHITE	32,780	32,064	230	138	13	13	46	15	261
BLACK	430	34	383	1	-	-	1	1	10
INDIAN	235	107	7	113	-	-	-	-	8
CHINESE	34	11	-	-	20	-	2	-	1
JAPANESE	8	5	1	-	-	1	-	-	1
OTHER* ASIAN	147	56	-	-	5	-	83	-	3
OTHER	30	18	1	-	-	-	1	4	6
UNKNOWN	3,745	434	26	6	-	-	7	3	3,269

* Includes Pacific Islanders

Table 23
MARRIAGES OCCURRING IN MINNESOTA
BY AGE OF BRIDE AND GROOM, 1982

	Groom's Age													
Bride's Age	Total	Under 18	18-19	20	21-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 & Over	Un-known*
Total	37,409	53	1,917	2,142	12,361	10,050	4,685	2,235	1,293	804	597	432	318	517	5
Under 18	661	19	278	111	209	40	4	-	-	-	-	-	-	-	-
18-19	5,252	32	1,196	1,020	2,358	526	81	25	7	3	-	-	1	3	-
20	3,473	2	255	554	1,947	574	114	13	10	1	-	1	1	1	-
21-24	12,780	-	158	397	6,591	4,268	997	267	74	14	7	4	-	2	1
25-29	7,625	-	19	50	1,058	3,681	1,879	521	213	67	25	7	2	2	1
30-34	3,493	-	6	8	160	801	1,242	708	343	138	57	21	4	4	1
35-39	1,496	-	1	2	27	127	281	433	327	168	85	25	15	5	-
40-44	901	-	1	-	5	26	72	134	226	212	128	60	25	11	1
45-49	525	-	1	-	1	5	10	24	75	144	128	102	27	8	-
50-54	363	-	-	-	-	-	1	9	14	39	107	106	54	33	-
55-59	262	-	-	-	1	-	2	-	4	12	40	68	80	55	-
60-64	245	-	2	-	-	1	-	1	-	2	14	27	72	126	-
65+	322	-	-	-	1	-	-	-	-	2	6	10	37	266	-
Unknown*	11	-	-	-	3	1	2	-	-	2	-	1	-	1	1

* Includes age specified as legal

Table 24
DIVORCES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE
MINNESOTA, 1982

	Husband's Age											
Wife's Age	Total	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 & Over	Unknown
Total	15,177	39	1,573	3,156	3,099	2,244	1,561	1,011	634	382	195	186	1,097
15-19	230	31	160	27	7	1	-	-	-	-	1	-	3
20-24	2,635	4	1,194	1,096	249	51	27	1	3	-	2	-	8
25-29	3,451	2	173	1,762	1,141	270	56	27	5	3	3	1	8
30-34	2,829	1	34	212	1,452	824	201	58	24	15	2	1	5
35-39	2,030	-	6	35	198	954	602	145	58	16	9	3	4
40-44	1,271	-	1	6	34	105	582	387	105	36	10	4	1
45-49	722	-	-	4	10	25	69	329	199	58	15	8	5
50-54	422	-	-	2	2	3	18	48	190	109	28	21	1
55-59	244	1	-	1	-	3	6	10	40	114	44	25	-
60-64	142	-	-	-	-	-	-	2	8	22	67	43	-
65 & Over	97	-	-	-	-	-	-	1	-	7	11	78	-
Unknown	1,104	-	5	11	6	8	-	3	2	2	3	2	1,062

Occupational Illness and Injury

Table 25
ESTIMATED NUMBER OF INJURIES AND ILLNESSES BY MAJOR INDUSTRIAL CATEGORY MINNESOTA, 1981 AND 1982

Industrial Category	Number of Estimated Injuries and Illnesses 1981	% of Total	1982	% of Total	Percent Change 1981-1982
Agriculture, Forestry and Fisheries	900	1.8	638	1.6	-29.1
Mining	705	1.4	375	0.9	-46.8
Construction	5,385	11.0	4,136	10.5	-23.2
Manufacturing	16,320	33.3	12,564	31.8	-23.0
Transportation and Public Utilities	4,496	9.2	4,041	10.2	-10.1
Wholesale and Retail Trades	9,321	19.0	7,486	18.9	-19.7
Finance, Insurance and Real Estate	674	1.4	663	1.7	- 1.6
Services	9,407	19.2	8,324	21.1	-11.5
Public Administration	1,705	3.5	1,265	3.2	-25.8
Nonclassified Industries	24	0.0	18	0.0	-25.0
Total	48,937	100.0	39,510	100.0	-19.3

Table 26

ANNUAL AVERAGE EMPLOYMENT, PERCENT OF TOTAL EMPLOYMENT AND RATE OF OCCUPATIONAL INJURIES AND ILLNESSES PER 1,000 WORKERS BY INDUSTRIAL CATEGORY*, MINNESOTA, 1981 AND 1982

Industrial Category	1981	1982
Mining		
Annual Average Employment	15,600	9,500
Percent	0.9	0.5
Rate of Injuries Per 1,000 Workers	45.2	39.5
Construction		
Annual Average Employment	67,700	59,900
Percent	3.8	3.5
Rate of Injuries Per 1,000 Workers	79.5	69.0
Manufacturing		
Annual Average Employment	364,000	346,600
Percent	20.7	20.3
Rate of Injuries Per 1,000 Workers	44.8	36.2
Transportation and Public Utilities		
Annual Average Employment	97,400	93,100
Percent	5.5	5.4
Rate of Injuries Per 1,000 Workers	46.2	43.4
Wholesale and Retail Trades		
Annual Average Employment	439,900	429,500
Percent	25.0	25.2
Rate of Injuries Per 1,000 Workers	21.2	17.4
Finance, Insurance and Real Estate		
Annual Average Employment	97,800	98,200
Percent	5.5	5.8
Rate of Injuries Per 1,000 Workers	6.9	6.8
Services		
Annual Average Employment	379,900	380,600
Percent	21.6	22.3
Rate of Injuries Per 1,000 Workers	24.8	21.9
Public Administration		
Annual Average Employment	299,000	289,400
Percent	17.0	17.0
Rate of Injuries Per 1,000 Workers	5.7	4.4
Total - Average Annual Employment	1,761,300	1,706,800
Total - Rate of Injuries Per 1,000 Workers	27.3	22.8

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* Occupational injury and illness rates were calculated by dividing the number of estimated injuries for an industrial category by the average annual employment and are reported as rate per 1,000 workers.

Table 27
ESTIMATED NUMBER OF INJURIES AND ILLNESSES BY MAJOR OCCUPATIONAL CATEGORY MINNESOTA, 1981 AND 1982

	Number of Estimated Injuries and Illnesses				Percent Change
Occupational Category	1981	% of Total	1982	% of Total	1981-1982
Professional and Technical	2,399	4.9	1,788	4.5	-25.5
Managers and Administrators	2,095	4.3	1,724	4.4	-17.7
Sales Workers	757	1.5	656	1.7	-13.3
Clerical Workers	2,491	5.1	2,185	5.5	-12.3
Crafts Workers	8,787	18.0	6,492	16.4	-26.1
Operatives	13,337	27.3	11,054	28.0	-17.1
Laborers	7,586	15.5	6,176	15.6	-18.6
Farmers	353	0.7	246	0.6	-30.3
Service Workers	8,062	16.5	7,423	18.8	- 7.9
Not Reported	3,070	6.3	1,766	4.5	-42.5
Total	48,937	100.0	39,510	100.0	-19.3

Table 28
ESTIMATED NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY TYPE OF ACCIDENT
MINNESOTA, 1981 AND 1982

	Number of Estimated Injuries and Illnesses				Percent Change
Type of Accident	1981	% of Total	1982	% of Total	1981-1982
Struck Against or By Object	9,744	19.9	7,426	18.8	-23.8
Fall	7,039	14.4	6,738	17.1	- 4.3
Caught In, Under or Between Objects	2,411	4.9	1,500	3.8	-37.8
Abraded	246	0.5	312	0.8	+26.8
Motion	4,842	9.9	3,273	8.3	-32.4
Over Exertion	15,141	30.9	12,456	31.5	-17.7
Contact with Electricity	64	0.1	72	0.2	+12.5
Contact with Extreme Temperature	890	1.8	802	2.0	- 9.9
Contact with Toxic Radiation	1,088	2.2	799	2.0	-26.6
Public Transportation	30	0.1	13	0.0	-56.7
Motor Vehicle Accidents	1,066	2.2	798	2.0	-25.1
Exposure to Noise	63	0.1	33	0.1	-47.6
Explosion	79	0.2	66	0.2	-16.5
Accidents, N.E.C.	551	1.1	388	1.0	-29.6
Unclassified Data	5,683	11.6	4,834	12.2	-14.9
Total	48,937	100.0	39,510	100.0	-19.3

Table 29
ESTIMATED NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY NATURE OF INJURY
MINNESOTA, 1981 AND 1982

Nature of Injury	Number of Estimated Injuries and Illnesses 1981	% of Total	1982	% of Total	Percent Change 1981-1982
Amputation	135	0.3	117	0.3	-13.3
Laceration	5,392	11.0	4,047	10.2	-24.9
Contusion	4,376	8.9	3,218	8.1	-26.5
Abrasion	633	1.3	546	1.4	-13.7
Heat Burn	926	1.9	804	2.0	-13.2
Chemical Burn	328	0.7	255	0.6	-22.3
Concussion	99	0.2	148	0.4	+49.5
Fracture	3,571	7.3	3,072	7.8	-14.0
Dislocation	981	2.0	822	2.1	-16.2
Sprain	21,270	43.5	16,968	42.9	-20.2
Hernia	1,113	2.3	969	2.5	-12.9
Asphyxia	6	0.0	3	0.0	-50.0
Barometric Effects	0	0.0	3	0.0	+300.0
Frostbite, Freezing	6	0.0	16	0.0	+166.7
Heat Stroke	6	0.0	6	0.0	0.0
Electric Shock	52	0.1	60	0.2	+15.4
Hearing Loss	78	0.2	87	0.2	+11.5
Infective Diseases	48	0.1	27	0.1	-43.8
Respiratory Diseases	85	0.2	80	0.2	- 5.9
Pneumoconiosis	18	0.0	6	0.0	-66.7
Poisoning	357	0.7	240	0.6	-32.8
Mental Diseases	39	0.1	30	0.1	-23.1
Nervous System Diseases	117	0.2	27	0.1	-76.9
Neoplasm	17	0.0	10	0.0	-41.2
Radiation Effects	45	0.1	27	0.1	-40.0
Dermatitis	423	0.9	333	0.8	-21.3
Circulatory System	148	0.3	106	0.3	-28.4
Heart Attack	393	0.8	316	0.8	-19.6
Eye Diseases	18	0.0	9	0.0	-50.0
Inflammation of Joints	1,494	3.1	1,143	2.9	-23.5
Hemorrhoids	21	0.0	18	0.0	-14.3
Multiple Injuries	859	1.8	525	1.3	-38.9
Unclassified	5,883	12.0	5,472	13.9	- 7.0
Total	48,937	100.0	39,510	100.0	-19.3

Table 30
ESTIMATED NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY PART OF BODY INJURED
MINNESOTA, 1981 AND 1982

Part of Body	Number of Estimated Injuries and Illnesses 1981	% of Total	1982	% of Total	Percent Change 1981-1982
Head	1,246	2.5	1,022	2.6	-18.0
Eye	1,011	2.1	888	2.2	-12.2
Neck	734	1.5	645	1.6	-12.1
Upper Extremities, Except Finger	6,462	13.2	5,256	13.3	-18.7
Finger	4,608	9.4	3,408	8.6	-26.0
Trunk, Except Back	5,134	10.5	4,623	11.7	-10.0
Back	14,874	30.4	12,150	30.8	-18.3
Lower Extremities, Except Leg	4,453	9.1	3,495	8.8	-21.5
Leg	4,284	8.8	3,399	8.6	-20.7
Body Systems	1,301	2.7	933	2.4	-28.3
Multiple Parts	3,713	7.6	3,039	7.7	-18.2
Body Parts Unclassified	1,117	2.3	652	1.7	-41.6
Total	48,937	100.0	39,510	100.0	-19.3

Population

POPULATION OF MINNESOTA

The population of Minnesota grew by an estimated 57,364 persons from April 1, 1980 to April 1, 1982.[1] The 1982 population of 4,133,334 represents an increase of 1.4 percent from the population of 4,075,970 reported by the 1980 census, a growth rate identical to that experienced by the state during the 1970s.

While Minnesota's population growth lags behind many of the rapidly growing states of the sunbelt, it is one of the more rapidly growing states in the northern and eastern parts of the country.

Minnesota's growth rate of 1.4 percent between 1980 and 1982 was slower than the national growth rate of 2.2 percent over the same period, making Minnesota the twenty-fifth most rapidly increasing of the 50 states.

As was the case throughout the 1970s, the outer suburbs of the Twin Cities area and the lake counties of north central Minnesota had the state's most rapid population growth during the early 1980s. Since 1980, growth has been experienced throughout the "dairy belt" of central Minnesota and in most of the forested area of northern Minnesota. Population losses continue, however, along the Iowa, North Dakota, and South Dakota borders.

Much of the state's population growth continues to occur in rural areas, which are now growing at twice the rate they did during the 1970s. While one-third of Minnesota's population lives in rural areas, these areas account for more than half the state's population growth since 1980.

Rural growth is strongest in the forested areas of the state. The rural portion of non-farm counties grew by 3.1 percent between 1980 and 1982. Surprisingly, rural growth is not confined to these areas but is found in many agricultural areas as well. In agricultural counties, rural areas grew by 1.1 percent between 1980 and 1982, compared with urban growth of 0.3 percent.

Suburban growth lags only slightly behind rural growth. In most cases, the growth of the suburbs outstrips that of their central cities. This does not mean, however, that all suburbs are experiencing growth. Some older suburbs have lost significant numbers of people in recent years as the children of the baby boom generation leave their parents' homes.

Sherburne County, the state's most rapidly growing county in the 1970s, continues to be the fastest growing during the 1980s. This rapid increase reflects its convenient location between the Twin Cities and St. Cloud with good highway access both to metropolitan areas and northern resort areas. Sherburne County's growth rate (7.8 percent between 1980 and 1982) is actually faster than all states except Alaska and Nevada.

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[1] These data are derived from the 1980 census and estimates of the 1982 population of Minnesota counties, cities, and townships available from the Office of State Demographer. Adapted from "Population Notes, September, 1983," Minnesota State Planning Agency, Office of the State Demographer.

Two other counties grew at rates more than five times faster than the state average. Scott County, on the southern edge of the Twin Cities metropolitan area, was the second most rapidly growing county with an increase of 7.5 percent, while Kandiyohi County grew by 7.1 percent. The most rapid loss occurred in Pennington County in northwestern Minnesota.

County growth patterns have changed since the 1970s. Thirty-six counties are growing more rapidly (or declining less rapidly) than they did during the 1970s, while growth has slowed (or decline increased) in the remaining 51. Two areas of change are particularly significant. During the 1970s Minnesota's two largest counties (Hennepin and Ramsey) experienced significant declines. Hennepin declined by 19,000 people and Ramsey by 16,500 during that period.

Between 1980 and 1982, however, Hennepin is estimated to have grown by 5,000 people, reflecting both continued rapid growth in outer suburban areas and a substantial slowdown in the population decline of Minneapolis. Ramsey County, which lacks Hennepin County's room for rapidly growing suburbs, did decline between 1980 and 1981, but began to show an increase between 1981 and 1982. For both counties, this is the first period of growth since at least the 1970 census.

Much of the growth in Minnesota's population can be attributed to a growing number of births. Sixty eight thousand, six hundred fifty one babies were born to Minnesota residents in 1981, the highest number since 1965. The increase in births is due largely to an increase in the number of women of childbearing age and does not appear to indicate a return to larger families.

Population change is a result of two factors: natural increase (births minus deaths) and migration. In no Minnesota county did deaths outnumber births between 1980 and 1982. In all but 11 of the state's 87 counties, the rate of natural increase is greater now than during the 1970s. The exceptions, interestingly enough, include the state's most rapidly growing counties, a further indication that their period of most rapid growth is over.

The growth caused by natural increase is to some extent countered by loss due to migration. Between 1980 and 1982 an estimated 12,800 more people moved out of Minnesota than moved in. When examined in a regional context, however, this loss is exceedingly small. Minnesota's rate of outmigration corresponds to a loss of 15 people out of every 10,000 each year. The actual number of moves, of course, is much greater, but most people who move out of the state are replaced by others moving in. Movement out of the state is nothing new. Throughout most of the second half of the twentieth century, Minnesota has been a net supplier of people to the rest of the nation.

Thirty-three Minnesota counties experienced net inmigration between 1980 and 1982, while the remaining 54 experienced net moves out of the county.

TABLE 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1982

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
STATE TOTAL	4,133,334	325,651	608,189	772,154	1,195,414	737,795	494,131
MALE	2,026,197	167,010	311,563	387,312	598,132	359,790	202,390
FEMALE	2,107,137	158,641	296,626	384,842	597,282	378,005	291,741
NORTHWESTERN REGION	163,239	13,690	24,998	30,606	39,745	29,453	24,747
MALE	81,648	7,000	12,837	15,776	20,185	14,566	11,284
FEMALE	81,591	6,690	12,161	14,830	19,560	14,887	13,463
NORTHEASTERN REGION	343,134	26,169	49,887	61,899	92,285	65,651	47,243
MALE	169,728	13,549	25,694	31,258	47,167	31,915	20,145
FEMALE	173,406	12,620	24,193	30,641	45,118	33,736	27,098
WEST CENTRAL REGION	207,922	15,988	29,449	41,340	50,072	38,675	32,398
MALE	102,781	8,196	15,115	20,819	25,518	18,823	14,310
FEMALE	105,141	7,792	14,334	20,521	24,554	19,852	18,088
CENTRAL REGION	466,933	41,302	76,593	92,083	121,370	77,356	58,229
MALE	232,810	21,133	39,264	46,633	61,278	38,461	26,041
FEMALE	234,123	20,169	37,329	45,450	60,092	38,895	32,188
SOUTHWESTERN REGION	306,130	24,608	45,151	52,936	74,013	58,873	50,549
MALE	151,375	12,541	23,344	27,123	37,907	28,590	21,870
FEMALE	154,755	12,067	21,807	25,813	36,106	30,283	28,679
SOUTH CENTRAL REGION	222,888	18,132	31,231	44,514	56,920	39,934	32,157
MALE	109,625	9,311	16,069	22,171	29,300	19,340	13,434
FEMALE	113,263	8,821	15,162	22,343	27,620	20,594	18,723
SOUTHEASTERN REGION	407,258	32,256	59,933	78,561	109,018	73,255	54,235
MALE	198,563	16,632	30,587	38,785	54,587	35,776	22,196
FEMALE	208,695	15,624	29,346	39,776	54,431	37,479	32,039
METROPOLITAN REGION	2,015,830	153,506	290,947	370,215	651,991	354,598	194,573
MALE	979,667	78,648	148,653	184,747	322,190	172,319	73,110
FEMALE	1,036,163	74,858	142,294	185,468	329,801	182,279	121,463

TABLE 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1982

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
AITKIN	13,541	969	1,886	2,105	3,084	2,733	2,764
MALE	6,755	495	986	1,093	1,557	1,309	1,315
FEMALE	6,786	474	900	1,012	1,527	1,424	1,449
ANOKA	204,324	18,099	38,221	39,544	67,940	31,330	9,190
MALE	102,195	9,256	19,606	19,963	33,524	15,998	3,848
FEMALE	102,129	8,843	18,615	19,581	34,416	15,332	5,342
BECKER	31,115	2,644	5,090	5,458	7,744	5,520	4,659
MALE	15,599	1,386	2,690	2,860	3,890	2,696	2,077
FEMALE	15,516	1,258	2,400	2,598	3,854	2,824	2,582
BELTRAMI	33,119	2,924	4,817	8,022	8,527	5,170	3,659
MALE	16,497	1,482	2,457	4,038	4,341	2,529	1,650
FEMALE	16,622	1,442	2,360	3,984	4,186	2,641	2,009
BENTON	26,124	2,737	4,347	4,875	7,506	3,825	2,834
MALE	12,894	1,383	2,235	2,400	3,791	1,914	1,171
FEMALE	13,230	1,354	2,112	2,475	3,715	1,911	1,663
BIG STONE	7,809	576	1,049	1,263	1,684	1,622	1,615
MALE	3,806	285	523	656	857	815	670
FEMALE	4,003	291	526	607	827	807	945
BLUE EARTH	52,780	4,253	6,448	13,216	14,294	8,433	6,136
MALE	25,737	2,237	3,286	6,317	7,424	4,049	2,424
FEMALE	27,043	2,016	3,162	6,899	6,870	4,384	3,712
BROWN	28,556	2,220	4,094	5,621	6,829	5,303	4,489
MALE	13,874	1,136	2,134	2,704	3,445	2,611	1,844
FEMALE	14,682	1,084	1,960	2,917	3,384	2,692	2,645
CARLTON	29,856	2,258	4,772	5,167	7,865	5,861	3,933
MALE	14,923	1,169	2,506	2,621	3,994	2,900	1,733
FEMALE	14,933	1,089	2,266	2,546	3,871	2,961	2,200

TABLE 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1982

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
CARVER	39,165	3,432	6,486	7,588	11,737	6,429	3,493
MALE	19,678	1,753	3,382	3,807	5,978	3,301	1,457
FEMALE	19,487	1,679	3,104	3,781	5,759	3,128	2,036
CASS	21,161	1,575	3,081	3,307	4,694	4,384	4,120
MALE	10,477	793	1,522	1,704	2,332	2,123	2,003
FEMALE	10,684	782	1,559	1,603	2,362	2,261	2,117
CHIPPEWA	14,859	1,220	2,086	2,332	3,619	2,921	2,681
MALE	7,278	618	1,076	1,182	1,861	1,401	1,140
FEMALE	7,581	602	1,010	1,150	1,758	1,520	1,541
CHISAGO	26,870	2,347	4,716	4,660	7,454	4,444	3,249
MALE	13,554	1,253	2,446	2,409	3,746	2,235	1,465
FEMALE	13,316	1,094	2,270	2,251	3,708	2,209	1,784
CLAY	49,012	3,555	6,383	13,416	12,555	8,051	5,052
MALE	23,828	1,810	3,265	6,271	6,414	3,938	2,130
FEMALE	25,184	1,745	3,118	7,145	6,141	4,113	2,922
CLEARWATER	9,115	751	1,481	1,588	2,062	1,634	1,599
MALE	4,639	392	757	858	1,034	826	772
FEMALE	4,476	359	724	730	1,028	808	827
COOK	4,206	292	548	659	1,217	837	653
MALE	2,142	155	291	330	635	425	306
FEMALE	2,064	137	257	329	582	412	347
COTTONWOOD	14,287	1,093	2,133	2,232	3,397	2,760	2,672
MALE	6,955	558	1,074	1,157	1,748	1,333	1,085
FEMALE	7,332	535	1,059	1,075	1,649	1,427	1,587
CROW WING	41,681	3,252	6,240	6,970	10,452	8,006	6,761
MALE	20,100	1,632	3,122	3,422	5,159	3,766	2,999
FEMALE	21,581	1,620	3,118	3,548	5,293	4,240	3,762

TABLE 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1982

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
DAKOTA	203,297	17,478	36,546	37,332	67,541	31,803	12,597
MALE	100,452	8,851	18,527	18,819	33,028	16,082	5,145
FEMALE	102,845	8,627	18,019	18,513	34,513	15,721	7,452
DODGE	15,094	1,438	2,513	2,527	4,126	2,555	1,935
MALE	7,428	705	1,247	1,294	2,085	1,273	824
FEMALE	7,666	733	1,266	1,233	2,041	1,282	1,111
DOUGLAS	28,802	2,329	4,143	5,309	7,082	5,253	4,686
MALE	14,115	1,134	2,099	2,678	3,573	2,566	2,065
FEMALE	14,687	1,195	2,044	2,631	3,509	2,687	2,621
FARIBAULT	19,443	1,526	2,652	3,130	4,576	3,985	3,574
MALE	9,445	756	1,404	1,605	2,348	1,880	1,452
FEMALE	9,998	770	1,248	1,525	2,228	2,105	2,122
FILLMORE	21,950	1,695	3,281	3,486	5,086	4,351	4,051
MALE	10,974	923	1,730	1,825	2,595	2,139	1,762
FEMALE	10,976	772	1,551	1,661	2,491	2,212	2,289
FREEBORN	35,425	2,627	5,149	5,985	8,956	7,250	5,458
MALE	17,391	1,343	2,655	3,056	4,566	3,525	2,246
FEMALE	18,034	1,284	2,494	2,929	4,390	3,725	3,212
GOODHUE	39,364	3,104	5,913	6,848	10,173	7,174	6,152
MALE	19,412	1,581	2,971	3,636	5,181	3,495	2,548
FEMALE	19,952	1,523	2,942	3,212	4,992	3,679	3,604
GRANT	7,295	548	989	1,090	1,609	1,473	1,586
MALE	3,592	288	489	561	818	711	725
FEMALE	3,703	260	500	529	791	762	861
HENNEPIN	946,401	65,613	119,333	167,327	312,980	176,375	104,773
MALE	455,297	33,472	60,847	83,199	154,519	84,634	38,626
FEMALE	491,104	32,141	58,486	84,128	158,461	91,741	66,147

TABLE 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1982

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
HOUSTON	18,537	1,482	2,849	3,242	4,683	3,512	2,769
MALE	9,243	800	1,442	1,669	2,397	1,726	1,209
FEMALE	9,294	682	1,407	1,573	2,286	1,786	1,560
HUBBARD	15,040	1,187	2,248	2,492	3,630	2,973	2,510
MALE	7,397	574	1,099	1,319	1,771	1,443	1,191
FEMALE	7,643	613	1,149	1,173	1,859	1,530	1,319
ISANTI	25,122	2,066	4,571	4,515	7,409	3,848	2,713
MALE	12,528	1,028	2,342	2,365	3,675	1,945	1,173
FEMALE	12,594	1,038	2,229	2,150	3,734	1,903	1,540
ITASCA	45,752	3,999	7,279	7,775	12,161	8,644	5,894
MALE	22,941	2,059	3,766	3,931	6,208	4,218	2,759
FEMALE	22,811	1,940	3,513	3,844	5,953	4,426	3,135
JACKSON	13,619	1,024	1,970	2,335	3,230	2,809	2,251
MALE	6,787	545	1,020	1,231	1,664	1,366	961
FEMALE	6,832	479	950	1,104	1,566	1,443	1,290
KANABEC	12,460	1,107	2,029	2,147	3,079	2,312	1,786
MALE	6,158	566	1,035	1,098	1,501	1,136	822
FEMALE	6,302	541	994	1,049	1,578	1,176	964
KANDIYOHI	39,384	3,282	5,693	7,336	10,465	7,044	5,564
MALE	19,395	1,667	2,960	3,579	5,276	3,417	2,496
FEMALE	19,989	1,615	2,733	3,757	5,189	3,627	3,068
KITTSON	6,698	573	937	983	1,599	1,338	1,268
MALE	3,350	293	491	507	844	655	560
FEMALE	3,348	280	446	476	755	683	708
KOOCHICHING	17,643	1,402	2,854	3,079	4,692	3,482	2,134
MALE	8,791	728	1,431	1,564	2,368	1.713	987
FEMALE	8,852	674	1,423	1,515	2,324	1,769	1,147

TABLE 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1982

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
LAC QUI PARLE	10,452	796	1,454	1,594	2,388	2,192	2,028
MALE	5,239	405	737	823	1,271	1,076	927
FEMALE	5,213	391	717	771	1,117	1,116	1,101
LAKE	13,172	1,025	1,933	2,200	3,616	2,890	1,508
MALE	6,801	547	989	1,135	1,942	1,510	678
FEMALE	6,371	478	944	1,065	1,674	1,380	830
LAKE OF THE WOODS	3,874	300	547	624	948	814	641
MALE	1,939	149	281	346	477	397	289
FEMALE	1,935	151	266	278	471	417	352
LESUEUR	23,448	1,977	3,756	4,157	6,003	4,130	3,425
MALE	11,719	996	1,909	2,203	3,060	2,030	1,521
FEMALE	11,729	981	1,847	1,954	2,943	2,100	1,904
LINCOLN	8,130	635	1,198	1,306	1,742	1,672	1,577
MALE	4,046	315	606	690	884	841	710
FEMALE	4,084	320	592	616	858	831	867
LYON	25,273	2,151	3,643	5,310	6,400	4,328	3,441
MALE	12,601	1,131	1,939	2,661	3,317	2,090	1,463
FEMALE	12,672	1,020	1,704	2,649	3,083	2,238	1,978
MCLEOD	30,100	2,450	4,762	5,060	8,073	5,433	4,322
MALE	14,932	1,273	2,499	2,580	4,061	2,678	1,841
FEMALE	15,168	1,177	2,263	2,480	4,012	2,755	2,481
MAHNOMEN	5,655	510	1,006	1,035	1,155	1,065	884
MALE	2,895	261	514	541	596	543	440
FEMALE	2,760	249	492	494	559	522	444
MARSHALL	12,976	1,082	2,116	2,143	3,145	2,488	2,002
MALE	6,654	598	1,125	1,128	1,601	1,288	914
FEMALE	6,322	484	991	1,015	1,544	1,200	1,088

TABLE 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1982

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
MARTIN	24,664	1,904	3,477	3,933	6,263	4,861	4,226
MALE	12,090	1,013	1,782	2,021	3,183	2,324	1,767
FEMALE	12,574	891	1,695	1,912	3,080	2,537	2,459
MEEKER	21,153	1,786	3,346	3,463	5,117	4,011	3,430
MALE	10,493	884	1,727	1,785	2,625	1,971	1,501
FEMALE	10,660	902	1,619	1,678	2,492	2,040	1,929
MILLE LACS	18,530	1,594	2,842	3,236	4,488	3,348	3,022
MALE	9,244	829	1,533	1,695	2,216	1,656	1,315
FEMALE	9,286	765	1,309	1,541	2,272	1,692	1,707
MORRISON	29,419	2,704	5,070	5,411	6,782	5,302	4,150
MALE	14,600	1,403	2,587	2,720	3,416	2,592	1,882
FEMALE	14,819	1,301	2,483	2,691	3,366	2,710	2,268
MOWER	39,785	2,843	5,391	6,921	9,096	8,999	6,535
MALE	19,369	1,479	2,761	3,505	4,622	4,299	2,703
FEMALE	20,416	1,364	2,630	3,416	4,474	4,700	3,832
MURRAY	11,497	925	1,720	1,962	2,584	2,399	1,907
MALE	5,751	464	888	1,008	1,353	1,157	881
FEMALE	5,746	461	832	954	1,231	1,242	1,026
NICOLLET	27,614	2,298	3,918	6,540	7,579	4,332	2,947
MALE	13,699	1,176	1,993	3,201	3,974	2,134	1,221
FEMALE	13,915	1,122	1,925	3,339	3,605	2,198	1,726
NOBLES	21,982	1,694	3,214	3,916	5,291	4,347	3,520
MALE	10,764	868	1,658	2,023	2,687	2,087	1,441
FEMALE	11,218	826	1,556	1,893	2,604	2,260	2,079
NORMAN	9,486	753	1,416	1,396	2,054	1,915	1,952
MALE	4,748	358	730	752	1,042	965	901
FEMALE	4,738	395	686	644	1,012	950	1,051

TABLE 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1982

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
OLMSTED	94,184	7,764	14,195	17,697	29,908	15,705	8,915
MALE	44,856	4,000	7,211	8,235	14,386	7,726	3,298
FEMALE	49,328	3,764	6,984	9,462	15,522	7,979	5,617
OTTER TAIL	54,515	4,012	7,618	9,007	12,836	10,998	10,044
MALE	27,146	2,091	3,897	4,720	6,561	5,343	4,534
FEMALE	27,369	1,921	3,721	4,287	6,275	5,655	5,510
PENNINGTON	14,420	1,208	2,224	2,667	3,862	2,373	2,086
MALE	7,098	606	1,154	1,337	1,955	1,153	893
FEMALE	7,322	602	1,070	1,330	1,907	1,220	1,193
PINE	20,039	1,703	3,120	3,422	4,923	3,836	3,035
MALE	10,222	871	1,598	1,815	2,611	1,925	1,402
FEMALE	9,817	832	1,522	1,607	2,312	1,911	1,633
PIPESTONE	11,614	898	1,662	2,020	2,588	2,289	2,157
MALE	5,597	423	841	1,055	1,314	1,083	881
FEMALE	6,017	475	821	965	1,274	1,206	1,276
POLK	34,666	2,777	5,245	6,491	8,360	6,408	5,385
MALE	17,132	1,439	2,714	3,308	4,232	3,108	2,331
FEMALE	17,534	1,338	2,531	3,183	4,128	3,300	3,054
POPE	11,794	971	1,662	1,821	2,630	2,452	2,258
MALE	5,883	487	832	977	1,364	1,206	1,017
FEMALE	5,911	484	830	844	1,266	1,246	1,241
RAMSEY	458,368	34,965	60,406	87,439	138,975	82,545	54,038
MALE	218,912	18,132	30,874	42,884	68,581	38,815	19,626
FEMALE	239,456	16,833	29,532	44,555	70,394	43,730	34,412
RED LAKE	5,459	493	884	1,027	1,241	950	864
MALE	2,758	247	423	546	658	476	408
FEMALE	2,701	246	461	481	583	474	456

TABLE 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1982

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
REDWOOD	19,097	1,501	2,889	3,178	4,487	3,642	3,400
MALE	9,454	744	1,487	1,663	2,288	1,797	1,475
FEMALE	9,643	757	1,402	1,515	2,199	1,845	1,925
RENVILLE	19,929	1,617	2,914	3,329	4,585	4,001	3,483
MALE	9,959	842	1,516	1,761	2,365	1,927	1,548
FEMALE	9,970	775	1,398	1,568	2,220	2,074	1,935
RICE	46,936	3,620	6,800	11,755	12,032	7,326	5,403
MALE	23,134	1,810	3,461	6,027	6,079	3,531	2,226
FEMALE	23,802	1,810	3,339	5,728	5,953	3,795	3,177
ROCK	10,823	898	1,695	1,722	2,582	2,192	1,734
MALE	5,280	455	847	873	1,323	1,050	732
FEMALE	5,543	443	848	849	1,259	1,142	1,002
ROSEAU	12,731	1,132	2,077	2,138	3,162	2,325	1,897
MALE	6,541	601	1,092	1,096	1,634	1,183	935
FEMALE	6,190	531	985	1,042	1,528	1,142	962
ST LOUIS	218,964	16,224	30,615	40,914	59,650	41,204	30,357
MALE	107,375	8,396	15,725	20,584	30,463	19,840	12,367
FEMALE	111,589	7,828	14,890	20,330	29,187	21,364	17,990
SCOTT	47,069	4,195	8,531	9,153	14,500	7,160	3,530
MALE	23,786	2,182	4,447	4,739	7,236	3,669	1,513
FEMALE	23,283	2,013	4,084	4,414	7,264	3,491	2,017
SHERBURNE	32,228	3,103	5,954	6,274	9,879	4,450	2,568
MALE	16,439	1,579	3,007	3,398	5,047	2,291	1,117
FEMALE	15,789	1,524	2,947	2,876	4,832	2,159	1,451
SIBLEY	15,637	1,256	2,404	2,576	3,622	3,119	2,660
MALE	7,783	611	1,244	1,301	1,884	1,530	1,213
FEMALE	7,854	645	1,160	1,275	1,738	1,589	1,447

TABLE 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1982

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
STEARNS	112,449	9,637	16,867	29,404	28,094	17,177	11,270
MALE	56,208	5,048	8,689	14,461	14,375	8,647	4,988
FEMALE	56,241	4,589	8,178	14,943	13,719	8,530	6,282
STEELE	30,841	2,658	4,666	5,678	8,490	5,441	3,908
MALE	15,176	1,371	2,396	2,801	4,286	2,665	1,657
FEMALE	15,665	1,287	2,270	2,877	4,204	2,776	2,251
STEVENS	11,430	883	1,540	2,747	2,597	2,038	1,625
MALE	5,654	474	780	1,416	1,352	954	678
FEMALE	5,776	409	760	1,331	1,245	1,084	947
SWIFT	12,812	1,013	1,919	2,151	2,852	2,561	2,316
MALE	6,350	529	998	1,111	1,478	1,220	1,014
FEMALE	6,462	484	921	1,040	1,374	1,341	1,302
TODD	26,010	2,325	4,258	4,569	5,962	4,807	4,089
MALE	13,086	1,177	2,203	2,381	3,044	2,381	1,900
FEMALE	12,924	1,148	2,055	2,188	2,918	2,426	2,189
TRAVERSE	5,453	384	736	914	1,084	1,196	1,139
MALE	2,713	207	390	458	556	588	514
FEMALE	2,740	177	346	456	528	608	625
WABASHA	19,063	1,626	2,991	3,248	4,874	3,414	2,910
MALE	9,471	836	1,523	1,664	2,496	1,726	1,226
FEMALE	9,592	790	1,468	1,584	2,378	1,688	1,684
WADENA	14,152	1,178	2,241	2,547	3,234	2,626	2,326
MALE	6,968	606	1,115	1,333	1,612	1,281	1,021
FEMALE	7,184	572	1,126	1,214	1,622	1,345	1,305
WASECA	18,793	1,724	2,842	3,475	4,875	3,302	2,575
MALE	9,357	892	1,483	1,828	2,493	1,600	1,061
FEMALE	9,436	832	1,359	1,647	2,382	1,702	1,514

TABLE 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1982

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
WASHINGTON	117,206	9,724	21,424	21,832	38,318	18,956	6,952
MALE	59,347	5,002	10,970	11,336	19,324	9,820	2,895
FEMALE	57,859	4,722	10,454	10,496	18,994	9,136	4,057
WATONWAN	11,953	974	1,640	1,866	2,879	2,469	2,125
MALE	5,921	494	834	991	1,489	1,182	931
FEMALE	6,032	480	806	875	1,390	1,287	1,194
WILKIN	8,506	662	1,288	1,578	1,935	1,694	1,349
MALE	4,251	319	673	878	990	821	570
FEMALE	4,255	343	615	700	945	873	779
WINONA	46,079	3,399	6,185	11,174	11,594	7,528	6,199
MALE	22,109	1,784	3,190	5,073	5,894	3,671	2,497
FEMALE	23,970	1,615	2,995	6,101	5,700	3,857	3,702
WRIGHT	60,688	5,974	11,257	10,746	17,414	8,991	6,306
MALE	30,332	2,965	5,830	5,432	8,753	4,569	2,783
FEMALE	30,356	3,009	5,427	5,314	8,661	4,422	3,523
YELLOW MEDICINE	13,310	1,049	1,804	2,427	2,929	2,650	2,451
MALE	6,688	535	948	1,285	1,535	1,281	1,104
FEMALE	6,622	514	856	1,142	1,394	1,369	1,347
MINNEAPOLIS	364,710	25,930	36,930	62,748	126,188	57,107	55,807
MALE	171,719	13,149	18,741	30,587	63,817	26,301	19,124
FEMALE	192,991	12,781	18,189	32,161	62,371	30,806	36,683
ST PAUL	267,290	21,286	32,385	49,023	79,004	45,437	40,155
MALE	125,061	10,949	16,596	23,658	39,267	20,543	14,048
FEMALE	142,229	10,337	15,789	25,365	39,737	24,894	26,107
DULUTH	89,929	6,553	11,102	18,329	24,181	15,945	13,819
MALE	42,566	3,326	5,693	8,951	12,077	7,422	5,097
FEMALE	47,363	3,227	5,409	9,378	12,104	8,523	8,722

Appendices

APPENDIX A

DEFINITIONS

DEFINITIONS

Residence: This is the geographic area of the usual place of abode of the deceased at the time of death or of the mother in the case of live births or fetal deaths. This means, in general, the place where one lives and sleeps most of the time. However, when usual residence is in a nursing home or other institution, where the patient resided for the purpose of receiving care, residence is coded to the place where the patient lived prior to admission to the institution.

Region: Region refers to the eight Minnesota Department of Health Districts. Region names and counties within regions follow:

Northwestern: Beltrami, Clearwater, Hubbard, Kittson, Lake of the Woods, Mahnomen, Marshall, Norman, Pennington, Polk, Red Lake, and Roseau

Northeastern: Aitkin, Carlton, Cook, Itasca, Koochiching, Lake, and St. Louis

West Central: Becker, Clay, Douglas, Grant, Otter Tail, Pope, Stevens, Traverse, and Wilkin

Central: Benton, Cass, Chisago, Crow Wing, Isanti, Kanabec, Mille Lacs, Morrison, Pine, Sherburne, Stearns, Todd, Wadena, and Wright

Southwestern: Big Stone, Chippewa, Cottonwood, Jackson, Kandiyohi, Lac Qui Parle, Lincoln, Lyon, McLeod, Meeker, Murray, Nobles, Pipestone, Redwood, Renville, Rock, Swift, and Yellow Medicine

South Central: Blue Earth, Brown, Faribault, Le Sueur, Martin, Nicollet, Sibley, Waseca, and Watonwan

Southeastern: Dodge, Fillmore, Freeborn, Goodhue, Houston, Mower, Olmsted, Rice, Steele, Wabasha, and Winona

Metropolitan: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington.

Rate: Rates are given per 1,000 except for certain causes of death when they are stated as per 100,000.

Live Birth: Live birth means the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of preg[illegible]cy, which after such separation breathes or shows any other evidence of lif[illegible]uch as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached, each product of such a birth is considered a live born.

Birth Rate: The number of live births per 1,000 population.

Fertility Rate: The number of live births per 1,000 women in the population of age 15 through 44 years.

High Risk Birth: A birth is classified as high risk if any of the following conditions exist:

- Mother's age: Less than 17 years or over 39 years.
- Prenatal care: Less than 3 visits.
- Condition not related to pregnancy: Tuberculosis, rubella, diabetes, or cardiac condition.
- Condition related to pregnancy: Hydramnios, urinary tract infection, or toxemia.
- Condition of labor: Prolonged labor.
- Birth weight: 2,500 grams or less (5 lb. 8 oz.)
- Birth injury: To brain, spinal cord, fractures, other bone injury, paralysis, or nerve injuries.
- Birth condition: Hemolytic diseases of newborn, hyaline membrane D, respiratory distress syndrome, or atelectasis.
- Congenital anomaly.

Live Birth Order: The number of live births including the current birth.

Fetal Death: Fetal death is death prior to the complete expulsion or extraction of a product of conception from its mother, irrespective of the duration of pregnancy. In this summary only the fetal deaths of 20 weeks or more are reported.

Fetal Death Order: The number of fetal deaths including the current fetal death.

Maternal Death: Maternal death is a death attributable to delivery or a complication of pregnancy, childbirth, or the puerperium, as defined by the International Classification of Diseases.

Infant Death: A death under one year of age.

Infant Death Rate: Number of deaths under one year of age per 1,000 live births.

Neonatal Death: A death to an infant under 28 days of age.

Neonatal Death Rate: Number of infants dying under 28 days of age per 1,000 live births.

Perinatal Mortality Rate: The number of fetal deaths of 20 weeks or more plus the number of neonatal deaths per 1,000 live births.

Cause of Death: The Ninth Revision of the International Classification of Diseases (ICD) was used.

Age/Cause Specific Death Rate: Number of deaths from a specified cause within a specified age group per 100,000 population in the same age group.

Adjusted Death Rates: Total rates for counties and cities are adjusted for sex and age on the basis of the state population.

Specific age group rates for counties and cities have been adjusted for sex on the basis of the state population for the specific age group.

APPENDIX B

OTHER RELATED PUBLICATIONS

OTHER RELATED PUBLICATIONS AVAILABLE

REPORTED INDUCED ABORTIONS, MINNESOTA

1980, Published September, 1981
1981, Published February, 1983
1982, Published February, 1984

TEENAGE PREGNANCY IN MINNESOTA

Published May, 1981

HEALTHY PEOPLE--THE MINNESOTA EXPERIENCE

Published October, 1982

SMOKING AND THE MINNESOTA POPULATION--A REPORT ON SMOKING AS A BEHAVIORAL RISK TO GOOD HEALTH

Published February, 1983

1982 MINNESOTA HEALTH PROFILES

Published April, 1983

ALCOHOL AND THE MINNESOTA POPULATION--A REPORT ON ALCOHOL AS A BEHAVIORAL RISK TO GOOD HEALTH

Published August, 1983

AN OVERVIEW OF BIRTH DEFECTS IN MINNESOTA, 1950-1980

Published February, 1984

Additional related publications are out of print. Xerox copies of specific data, as well as other birth, fetal death, death, abortion, marriage, or divorce information, may be obtained on request by contacting:

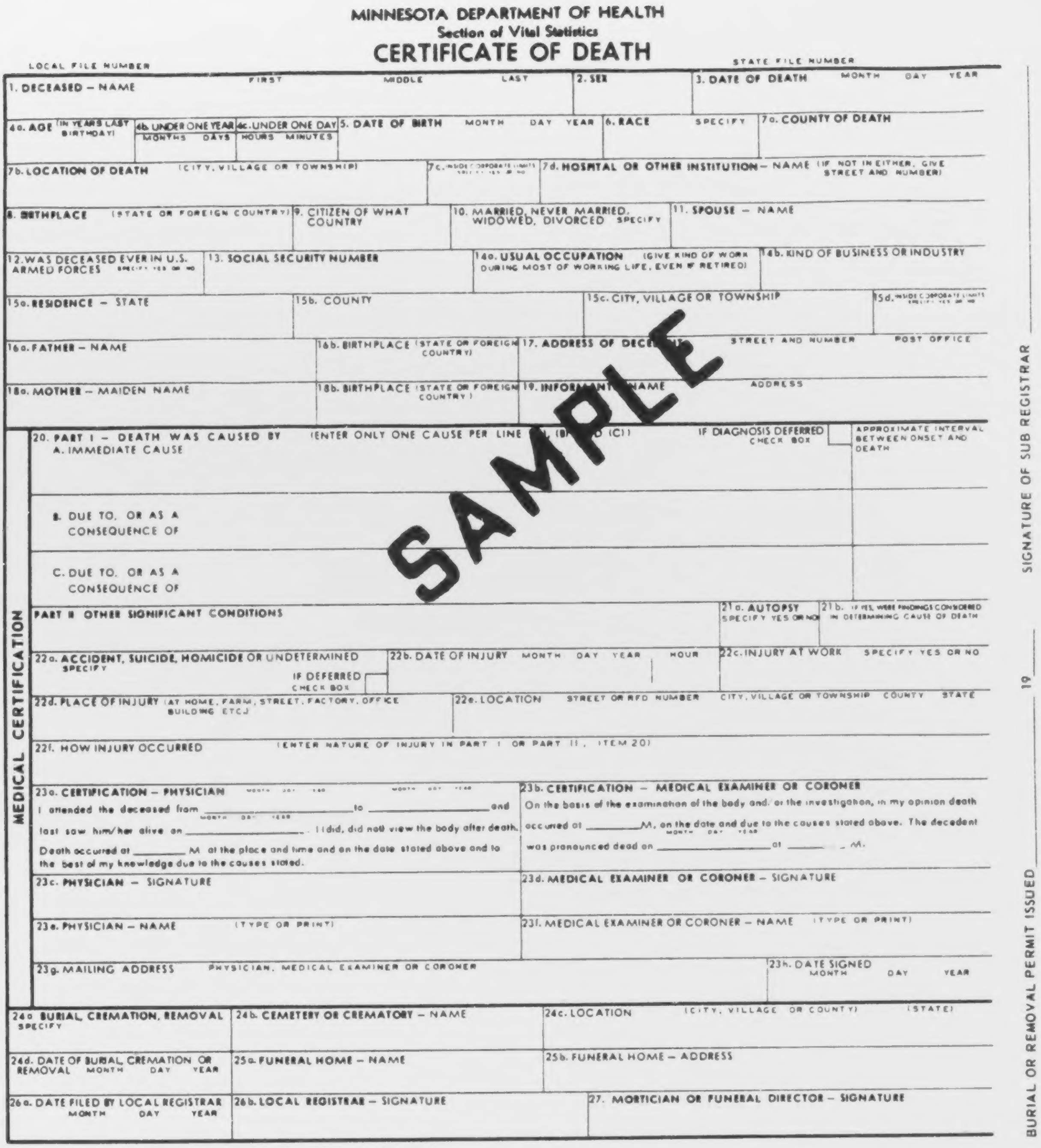
Minnesota Department of Health
Center for Health Statistics
717 Delaware Street S.E.
P.O. Box 9441
Minneapolis, Minnesota 55440

Telephone Number: (612) 623-5353

APPENDIX C

DATA COLLECTION INSTRUMENTS

Figure 1



MINNESOTA DEPARTMENT OF HEALTH
Section of Vital Statistics
CERTIFICATE OF DEATH

LOCAL FILE NUMBER
STATE FILE NUMBER

1. DECEASED – NAME FIRST MIDDLE LAST
2. SEX
3. DATE OF DEATH MONTH DAY YEAR
4a. AGE (IN YEARS LAST BIRTHDAY)
4b. UNDER ONE YEAR MONTHS DAYS
4c. UNDER ONE DAY HOURS MINUTES
5. DATE OF BIRTH MONTH DAY YEAR
6. RACE SPECIFY
7a. COUNTY OF DEATH
7b. LOCATION OF DEATH (CITY, VILLAGE OR TOWNSHIP)
7c. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
7d. HOSPITAL OR OTHER INSTITUTION – NAME (IF NOT IN EITHER, GIVE STREET AND NUMBER)
8. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
9. CITIZEN OF WHAT COUNTRY
10. MARRIED, NEVER MARRIED, WIDOWED, DIVORCED SPECIFY
11. SPOUSE – NAME
12. WAS DECEASED EVER IN U.S. ARMED FORCES SPECIFY YES OR NO
13. SOCIAL SECURITY NUMBER
14a. USUAL OCCUPATION (GIVE KIND OF WORK DURING MOST OF WORKING LIFE, EVEN IF RETIRED)
14b. KIND OF BUSINESS OR INDUSTRY
15a. RESIDENCE – STATE
15b. COUNTY
15c. CITY, VILLAGE OR TOWNSHIP
15d. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
16a. FATHER – NAME
16b. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
17. ADDRESS OF DECE[illegible] STREET AND NUMBER POST OFFICE
18a. MOTHER – MAIDEN NAME
18b. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
19. INFORM[illegible] NAME ADDRESS

MEDICAL CERTIFICATION

20. PART I – DEATH WAS CAUSED BY (ENTER ONLY ONE CAUSE PER LINE [illegible], (B) [illegible] (C))
A. IMMEDIATE CAUSE
IF DIAGNOSIS DEFERRED CHECK BOX ☐
APPROXIMATE INTERVAL BETWEEN ONSET AND DEATH
B. DUE TO, OR AS A CONSEQUENCE OF
C. DUE TO, OR AS A CONSEQUENCE OF
PART II OTHER SIGNIFICANT CONDITIONS
21a. AUTOPSY SPECIFY YES OR NO
21b. IF YES, WERE FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH
22a. ACCIDENT, SUICIDE, HOMICIDE OR UNDETERMINED SPECIFY
IF DEFERRED CHECK BOX ☐
22b. DATE OF INJURY MONTH DAY YEAR HOUR
22c. INJURY AT WORK SPECIFY YES OR NO
22d. PLACE OF INJURY (AT HOME, FARM, STREET, FACTORY, OFFICE BUILDING ETC.)
22e. LOCATION STREET OR RFD NUMBER CITY, VILLAGE OR TOWNSHIP COUNTY STATE
22f. HOW INJURY OCCURRED (ENTER NATURE OF INJURY IN PART I OR PART II, ITEM 20)

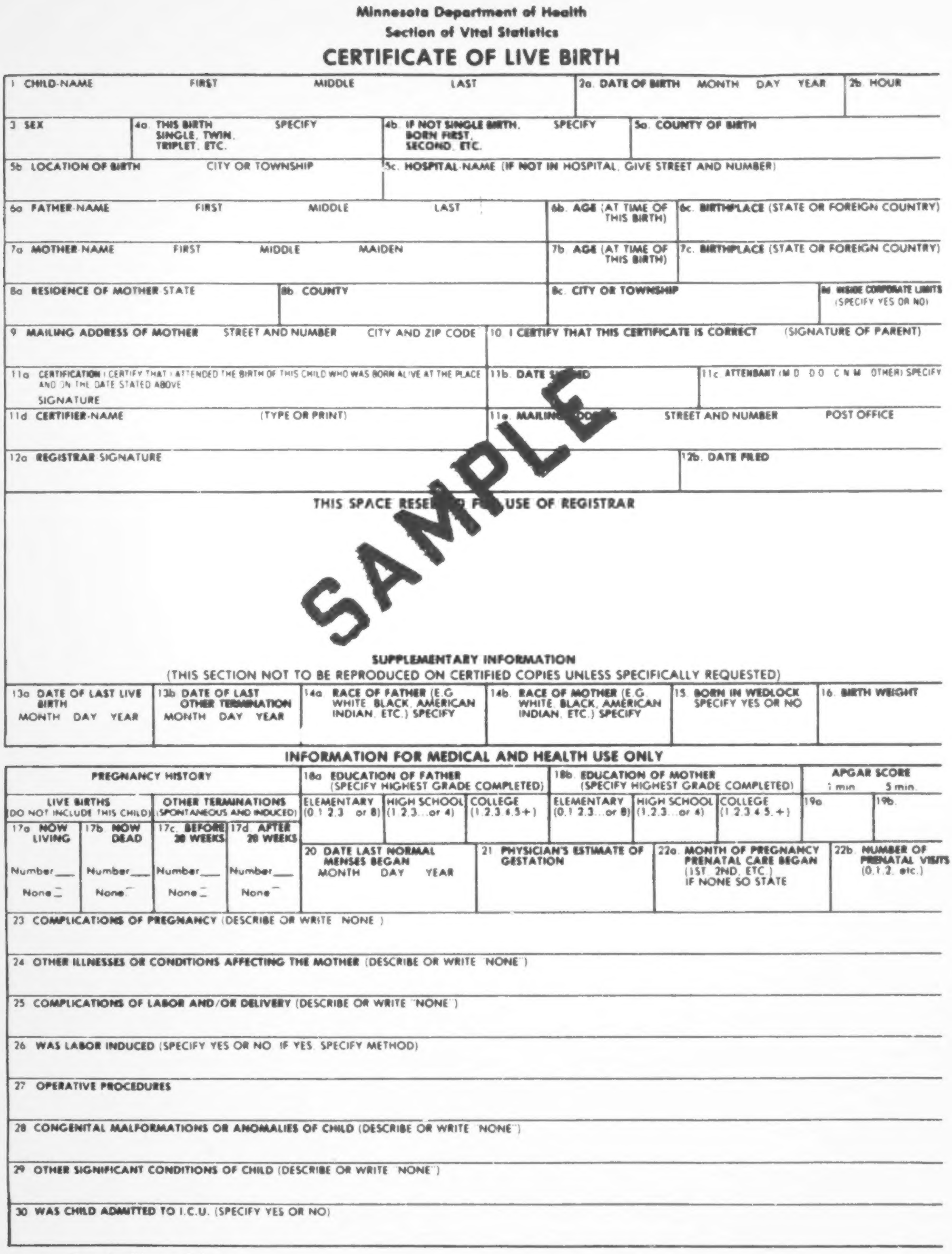
23a. CERTIFICATION – PHYSICIAN
I attended the deceased from ____________ (MONTH DAY YEAR) to ____________ (MONTH DAY YEAR) and last saw him/her alive on ____________ (MONTH DAY YEAR). I did, did not view the body after death. Death occurred at ________ M. at the place and time and on the date stated above and to the best of my knowledge due to the causes stated.

23b. CERTIFICATION – MEDICAL EXAMINER OR CORONER
On the basis of the examination of the body and/or the investigation, in my opinion death occurred at ________ M. on the date and due to the causes stated above. The decedent was pronounced dead on ____________ (MONTH DAY YEAR) at ________ M.

23c. PHYSICIAN – SIGNATURE
23d. MEDICAL EXAMINER OR CORONER – SIGNATURE
23e. PHYSICIAN – NAME (TYPE OR PRINT)
23f. MEDICAL EXAMINER OR CORONER – NAME (TYPE OR PRINT)
23g. MAILING ADDRESS PHYSICIAN, MEDICAL EXAMINER OR CORONER
23h. DATE SIGNED MONTH DAY YEAR
24a. BURIAL, CREMATION, REMOVAL SPECIFY
24b. CEMETERY OR CREMATORY – NAME
24c. LOCATION (CITY, VILLAGE OR COUNTY) (STATE)
24d. DATE OF BURIAL, CREMATION OR REMOVAL MONTH DAY YEAR
25a. FUNERAL HOME – NAME
25b. FUNERAL HOME – ADDRESS
26a. DATE FILED BY LOCAL REGISTRAR MONTH DAY YEAR
26b. LOCAL REGISTRAR – SIGNATURE
27. MORTICIAN OR FUNERAL DIRECTOR – SIGNATURE

SIGNATURE OF SUB REGISTRAR ____________
19 ____
BURIAL OR REMOVAL PERMIT ISSUED ____________

Figure 2



Minnesota Department of Health
Section of Vital Statistics

CERTIFICATE OF LIVE BIRTH

1 **CHILD-NAME** FIRST MIDDLE LAST
2a. **DATE OF BIRTH** MONTH DAY YEAR
2b. **HOUR**
3 **SEX**
4a. **THIS BIRTH** SINGLE, TWIN, TRIPLET, ETC. SPECIFY
4b. **IF NOT SINGLE BIRTH, BORN FIRST, SECOND, ETC.** SPECIFY
5a. **COUNTY OF BIRTH**
5b **LOCATION OF BIRTH** CITY OR TOWNSHIP
5c. **HOSPITAL-NAME** (IF NOT IN HOSPITAL, GIVE STREET AND NUMBER)
6a **FATHER-NAME** FIRST MIDDLE LAST
6b. **AGE** (AT TIME OF THIS BIRTH)
6c. **BIRTHPLACE** (STATE OR FOREIGN COUNTRY)
7a **MOTHER-NAME** FIRST MIDDLE MAIDEN
7b. **AGE** (AT TIME OF THIS BIRTH)
7c. **BIRTHPLACE** (STATE OR FOREIGN COUNTRY)
8a **RESIDENCE OF MOTHER** STATE
8b **COUNTY**
8c. **CITY OR TOWNSHIP**
8d **INSIDE CORPORATE LIMITS** (SPECIFY YES OR NO)
9 **MAILING ADDRESS OF MOTHER** STREET AND NUMBER CITY AND ZIP CODE
10 **I CERTIFY THAT THIS CERTIFICATE IS CORRECT** (SIGNATURE OF PARENT)
11a **CERTIFICATION** I CERTIFY THAT I ATTENDED THE BIRTH OF THIS CHILD WHO WAS BORN ALIVE AT THE PLACE AND ON THE DATE STATED ABOVE
SIGNATURE
11b. **DATE SIGNED**
11c **ATTENDANT** (M.D. D.O. C.N.M. OTHER) SPECIFY
11d **CERTIFIER-NAME** (TYPE OR PRINT)
11e. **MAILING ADDRESS** STREET AND NUMBER POST OFFICE
12a **REGISTRAR** SIGNATURE
12b. **DATE FILED**

THIS SPACE RESERVED FOR USE OF REGISTRAR

SAMPLE

SUPPLEMENTARY INFORMATION
(THIS SECTION NOT TO BE REPRODUCED ON CERTIFIED COPIES UNLESS SPECIFICALLY REQUESTED)

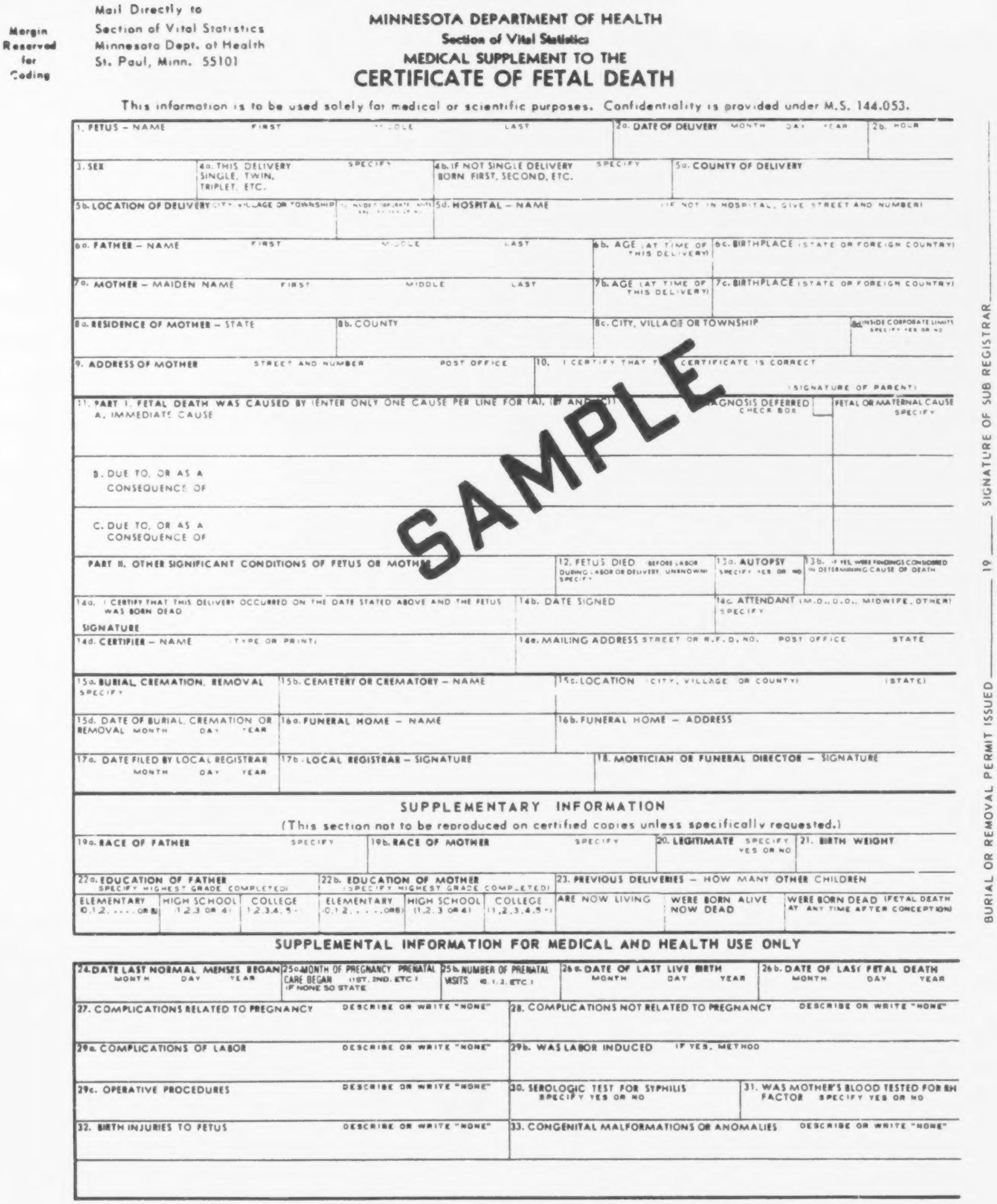
13a **DATE OF LAST LIVE BIRTH** MONTH DAY YEAR
13b **DATE OF LAST OTHER TERMINATION** MONTH DAY YEAR
14a **RACE OF FATHER** (E.G. WHITE, BLACK, AMERICAN INDIAN, ETC.) **SPECIFY**
14b. **RACE OF MOTHER** (E.G. WHITE, BLACK, AMERICAN INDIAN, ETC.) **SPECIFY**
15. **BORN IN WEDLOCK** SPECIFY YES OR NO
16. **BIRTH WEIGHT**

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

PREGNANCY HISTORY
LIVE BIRTHS (DO NOT INCLUDE THIS CHILD)
17a **NOW LIVING** Number___ None ☐
17b **NOW DEAD** Number___ None ☐
OTHER TERMINATIONS (SPONTANEOUS AND INDUCED)
17c. **BEFORE 20 WEEKS** Number___ None ☐
17d. **AFTER 20 WEEKS** Number___ None ☐
18a **EDUCATION OF FATHER** (SPECIFY HIGHEST GRADE COMPLETED)
ELEMENTARY (0,1,2,3 ...or 8) HIGH SCHOOL (1,2,3...or 4) COLLEGE (1,2,3,4,5+)
18b. **EDUCATION OF MOTHER** (SPECIFY HIGHEST GRADE COMPLETED)
ELEMENTARY (0,1,2,3...or 8) HIGH SCHOOL (1,2,3...or 4) COLLEGE (1,2,3,4,5,+)
APGAR SCORE 1 min. 5 min.
19a.
19b.
20 **DATE LAST NORMAL MENSES BEGAN** MONTH DAY YEAR
21 **PHYSICIAN'S ESTIMATE OF GESTATION**
22a. **MONTH OF PREGNANCY PRENATAL CARE BEGAN** (1ST, 2ND, ETC.) IF NONE SO STATE
22b. **NUMBER OF PRENATAL VISITS** (0,1,2, etc.)
23 **COMPLICATIONS OF PREGNANCY** (DESCRIBE OR WRITE "NONE")
24 **OTHER ILLNESSES OR CONDITIONS AFFECTING THE MOTHER** (DESCRIBE OR WRITE "NONE")
25 **COMPLICATIONS OF LABOR AND/OR DELIVERY** (DESCRIBE OR WRITE "NONE")
26 **WAS LABOR INDUCED** (SPECIFY YES OR NO. IF YES, SPECIFY METHOD)
27 **OPERATIVE PROCEDURES**
28 **CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD** (DESCRIBE OR WRITE "NONE")
29 **OTHER SIGNIFICANT CONDITIONS OF CHILD** (DESCRIBE OR WRITE "NONE")
30 **WAS CHILD ADMITTED TO** I.C.U. (SPECIFY YES OR NO)

Important: Please Read Reverse Side

Figure 3



Margin
Reserved
for
Coding

Mail Directly to
Section of Vital Statistics
Minnesota Dept. of Health
St. Paul, Minn. 55101

MINNESOTA DEPARTMENT OF HEALTH
Section of Vital Statistics
MEDICAL SUPPLEMENT TO THE
CERTIFICATE OF FETAL DEATH

This information is to be used solely for medical or scientific purposes. Confidentiality is provided under M.S. 144.053.

1. FETUS – NAME FIRST MIDDLE LAST
2a. DATE OF DELIVERY MONTH DAY YEAR
2b. HOUR
3. SEX
4a. THIS DELIVERY SINGLE, TWIN, TRIPLET, ETC. SPECIFY
4b. IF NOT SINGLE DELIVERY BORN FIRST, SECOND, ETC. SPECIFY
5a. COUNTY OF DELIVERY
5b. LOCATION OF DELIVERY CITY, VILLAGE OR TOWNSHIP
5c. [illegible]
5d. HOSPITAL – NAME (IF NOT IN HOSPITAL, GIVE STREET AND NUMBER)
6a. FATHER – NAME FIRST MIDDLE LAST
6b. AGE (AT TIME OF THIS DELIVERY)
6c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
7a. MOTHER – MAIDEN NAME FIRST MIDDLE LAST
7b. AGE (AT TIME OF THIS DELIVERY)
7c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
8a. RESIDENCE OF MOTHER – STATE
8b. COUNTY
8c. CITY, VILLAGE OR TOWNSHIP
8d. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
9. ADDRESS OF MOTHER STREET AND NUMBER POST OFFICE
10. I CERTIFY THAT THE CERTIFICATE IS CORRECT (SIGNATURE OF PARENT)
11. PART I. FETAL DEATH WAS CAUSED BY (ENTER ONLY ONE CAUSE PER LINE FOR (A), (B) AND (C))
A. IMMEDIATE CAUSE
B. DUE TO, OR AS A CONSEQUENCE OF
C. DUE TO, OR AS A CONSEQUENCE OF
DIAGNOSIS DEFERRED CHECK BOX ☐
FETAL OR MATERNAL CAUSE SPECIFY
PART II. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER
12. FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, UNKNOWN SPECIFY
13a. AUTOPSY SPECIFY YES OR NO
13b. IF YES, WERE FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH
14a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD
SIGNATURE
14b. DATE SIGNED
14c. ATTENDANT (M.D., D.O., MIDWIFE, OTHER) SPECIFY
14d. CERTIFIER – NAME (TYPE OR PRINT)
14e. MAILING ADDRESS STREET OR R.F.D. NO. POST OFFICE STATE
15a. BURIAL, CREMATION, REMOVAL SPECIFY
15b. CEMETERY OR CREMATORY – NAME
15c. LOCATION (CITY, VILLAGE OR COUNTY) (STATE)
15d. DATE OF BURIAL, CREMATION OR REMOVAL MONTH DAY YEAR
16a. FUNERAL HOME – NAME
16b. FUNERAL HOME – ADDRESS
17a. DATE FILED BY LOCAL REGISTRAR MONTH DAY YEAR
17b. LOCAL REGISTRAR – SIGNATURE
18. MORTICIAN OR FUNERAL DIRECTOR – SIGNATURE

SAMPLE

SUPPLEMENTARY INFORMATION
(This section not to be reproduced on certified copies unless specifically requested.)

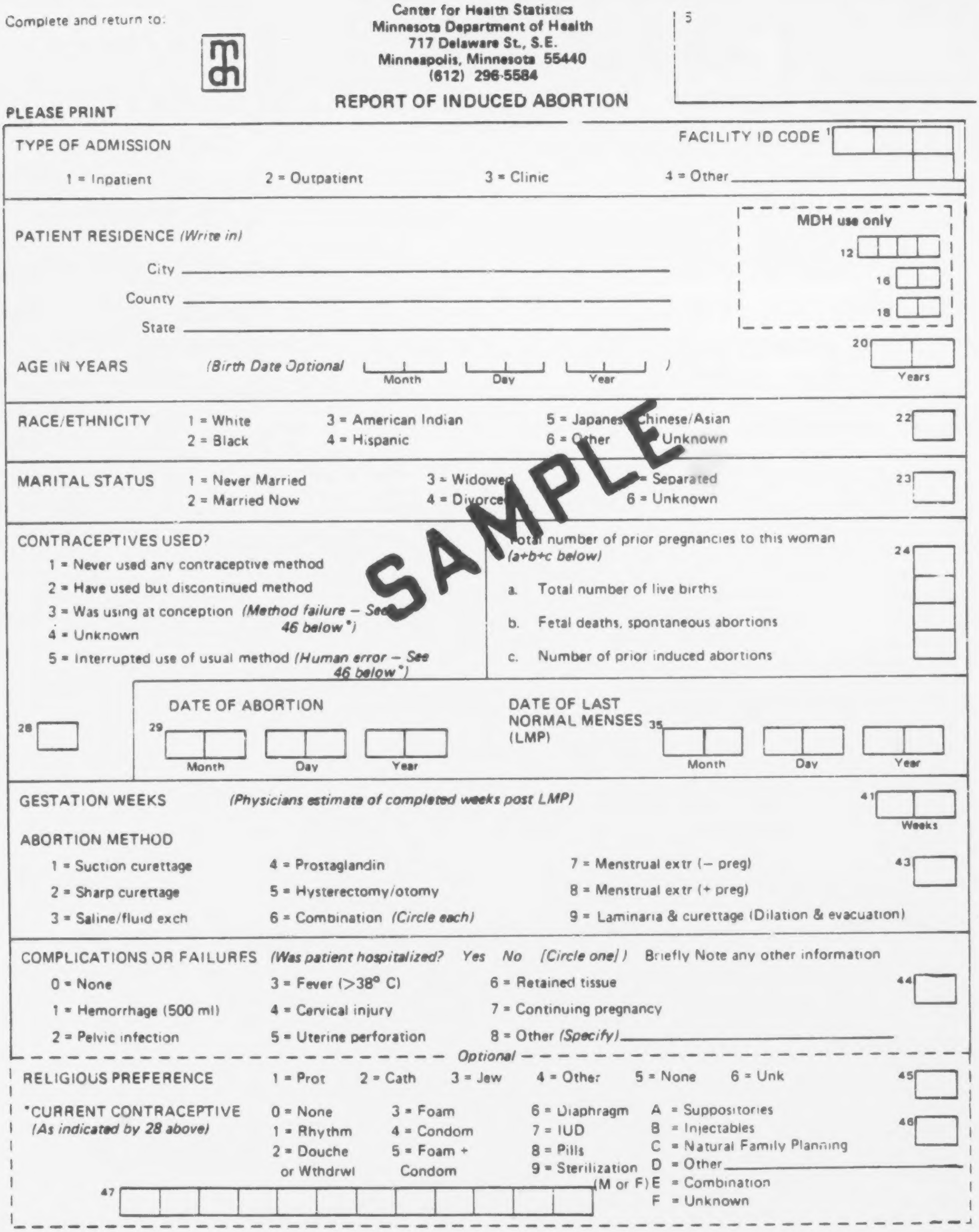
19a. RACE OF FATHER SPECIFY
19b. RACE OF MOTHER SPECIFY
20. LEGITIMATE SPECIFY YES OR NO
21. BIRTH WEIGHT
22a. EDUCATION OF FATHER (SPECIFY HIGHEST GRADE COMPLETED)
ELEMENTARY (0,1,2, ... OR 8) | HIGH SCHOOL (1,2,3 OR 4) | COLLEGE (1,2,3,4,5+)
22b. EDUCATION OF MOTHER (SPECIFY HIGHEST GRADE COMPLETED)
ELEMENTARY (0,1,2, ... OR 8) | HIGH SCHOOL (1,2,3 OR 4) | COLLEGE (1,2,3,4,5+)
23. PREVIOUS DELIVERIES – HOW MANY OTHER CHILDREN
ARE NOW LIVING | WERE BORN ALIVE NOW DEAD | WERE BORN DEAD (FETAL DEATH AT ANY TIME AFTER CONCEPTION)

SUPPLEMENTAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

24. DATE LAST NORMAL MENSES BEGAN MONTH DAY YEAR
25a. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1ST, 2ND, ETC.) IF NONE SO STATE
25b. NUMBER OF PRENATAL VISITS (0, 1, 2, ETC.)
26a. DATE OF LAST LIVE BIRTH MONTH DAY YEAR
26b. DATE OF LAST FETAL DEATH MONTH DAY YEAR
27. COMPLICATIONS RELATED TO PREGNANCY DESCRIBE OR WRITE "NONE"
28. COMPLICATIONS NOT RELATED TO PREGNANCY DESCRIBE OR WRITE "NONE"
29a. COMPLICATIONS OF LABOR DESCRIBE OR WRITE "NONE"
29b. WAS LABOR INDUCED IF YES, METHOD
29c. OPERATIVE PROCEDURES DESCRIBE OR WRITE "NONE"
30. SEROLOGIC TEST FOR SYPHILIS SPECIFY YES OR NO
31. WAS MOTHER'S BLOOD TESTED FOR RH FACTOR SPECIFY YES OR NO
32. BIRTH INJURIES TO FETUS DESCRIBE OR WRITE "NONE"
33. CONGENITAL MALFORMATIONS OR ANOMALIES DESCRIBE OR WRITE "NONE"

BURIAL OR REMOVAL PERMIT ISSUED ______ 19 ______ SIGNATURE OF SUB REGISTRAR

Figure 4



Complete and return to:

Center for Health Statistics
Minnesota Department of Health
717 Delaware St., S.E.
Minneapolis, Minnesota 55440
(612) 296-5584

5

REPORT OF INDUCED ABORTION

PLEASE PRINT

TYPE OF ADMISSION — FACILITY ID CODE 1 ☐☐☐

1 = Inpatient 2 = Outpatient 3 = Clinic 4 = Other ______

PATIENT RESIDENCE *(Write in)*

City ______

County ______

State ______

MDH use only 12 ☐☐☐☐ 16 ☐☐ 18 ☐☐

AGE IN YEARS *(Birth Date Optional* ___ Month ___ Day ___ Year *)* 20 ☐☐ Years

RACE/ETHNICITY 22 ☐

1 = White 2 = Black 3 = American Indian 4 = Hispanic 5 = Japanese/Chinese/Asian 6 = Other Unknown

MARITAL STATUS 23 ☐

1 = Never Married 2 = Married Now 3 = Widowed 4 = Divorced = Separated 6 = Unknown

CONTRACEPTIVES USED?

1 = Never used any contraceptive method
2 = Have used but discontinued method
3 = Was using at conception *(Method failure — See 46 below*)*
4 = Unknown
5 = Interrupted use of usual method *(Human error — See 46 below*)*

28 ☐

Total number of prior pregnancies to this woman *(a+b+c below)* 24 ☐

a. Total number of live births ☐
b. Fetal deaths, spontaneous abortions ☐
c. Number of prior induced abortions ☐

DATE OF ABORTION 29 ☐☐ Month ☐☐ Day ☐☐ Year

DATE OF LAST NORMAL MENSES (LMP) 35 ☐☐ Month ☐☐ Day ☐☐ Year

GESTATION WEEKS *(Physicians estimate of completed weeks post LMP)* 41 ☐☐ Weeks

ABORTION METHOD 43 ☐

1 = Suction curettage 2 = Sharp curettage 3 = Saline/fluid exch
4 = Prostaglandin 5 = Hysterectomy/otomy 6 = Combination *(Circle each)*
7 = Menstrual extr (− preg) 8 = Menstrual extr (+ preg) 9 = Laminaria & curettage (Dilation & evacuation)

COMPLICATIONS OR FAILURES *(Was patient hospitalized? Yes No [Circle one])* Briefly Note any other information 44 ☐

0 = None 1 = Hemorrhage (500 ml) 2 = Pelvic infection
3 = Fever (>38° C) 4 = Cervical injury 5 = Uterine perforation
6 = Retained tissue 7 = Continuing pregnancy 8 = Other *(Specify)* ______

— *Optional* —

RELIGIOUS PREFERENCE 1 = Prot 2 = Cath 3 = Jew 4 = Other 5 = None 6 = Unk 45 ☐

*CURRENT CONTRACEPTIVE *(As indicated by 28 above)* 46 ☐

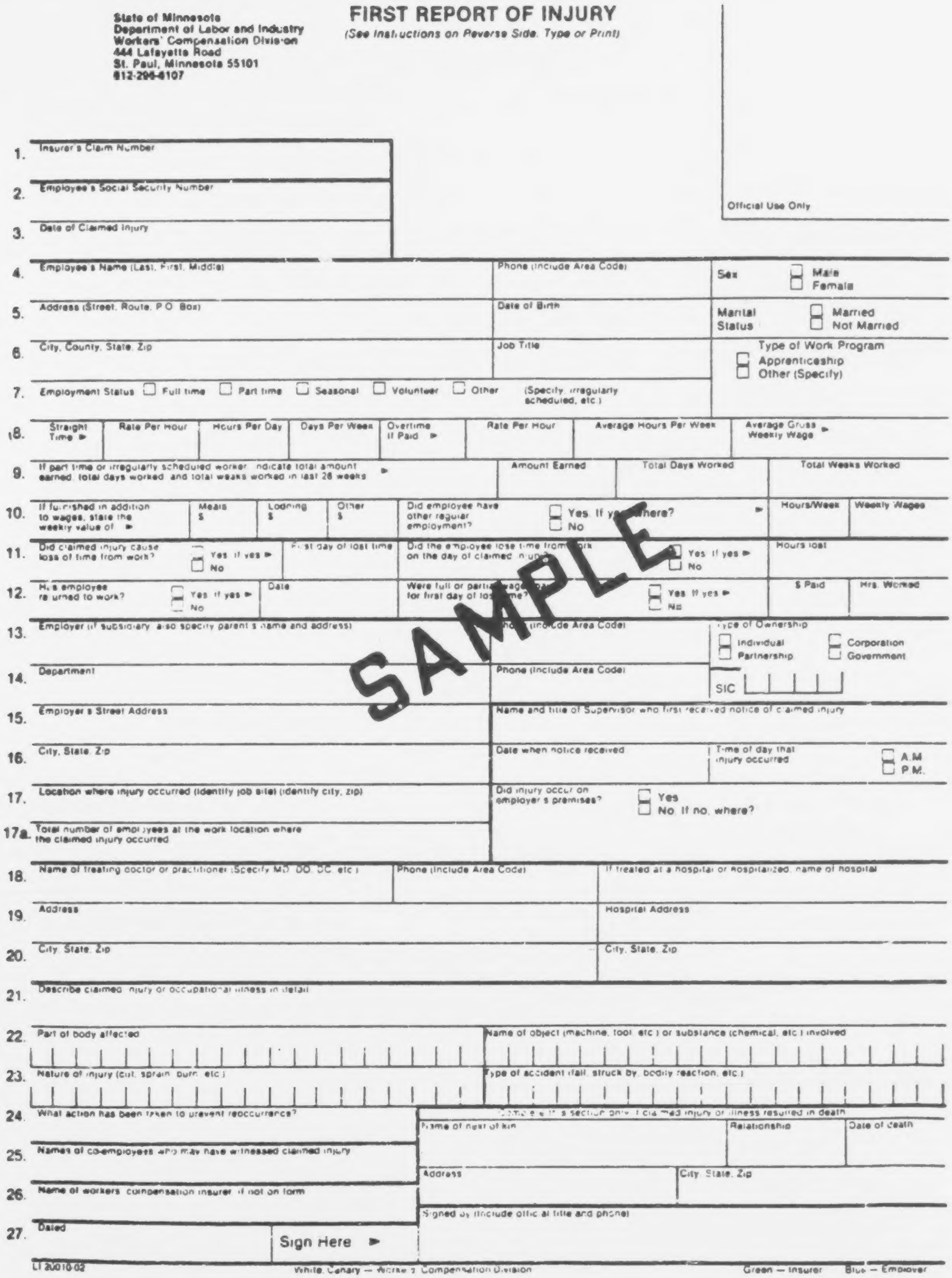
0 = None 1 = Rhythm 2 = Douche or Wthdrwl
3 = Foam 4 = Condom 5 = Foam + Condom
6 = Diaphragm 7 = IUD 8 = Pills 9 = Sterilization (M or F)
A = Suppositories B = Injectables C = Natural Family Planning D = Other ______ E = Combination F = Unknown

47 ☐☐☐☐☐☐☐☐☐☐☐☐

SAMPLE

HE-01160-02 (4-81)

Figure 5



State of Minnesota
Department of Labor and Industry
Workers' Compensation Division
444 Lafayette Road
St. Paul, Minnesota 55101
612-296-6107

FIRST REPORT OF INJURY

(See Instructions on Reverse Side. Type or Print)

Official Use Only

1. Insurer's Claim Number
2. Employee's Social Security Number
3. Date of Claimed Injury
4. Employee's Name (Last, First, Middle) — Phone (Include Area Code) — Sex ☐ Male ☐ Female
5. Address (Street, Route, P.O. Box) — Date of Birth — Marital Status ☐ Married ☐ Not Married
6. City, County, State, Zip — Job Title — Type of Work Program ☐ Apprenticeship ☐ Other (Specify)
7. Employment Status ☐ Full time ☐ Part time ☐ Seasonal ☐ Volunteer ☐ Other (Specify, irregularly scheduled, etc.)
8. Straight Time ► — Rate Per Hour — Hours Per Day — Days Per Week — Overtime If Paid ► — Rate Per Hour — Average Hours Per Week — Average Gross Weekly Wage ►
9. If part time or irregularly scheduled worker, indicate total amount earned, total days worked, and total weeks worked in last 26 weeks ► — Amount Earned — Total Days Worked — Total Weeks Worked
10. If furnished in addition to wages, state the weekly value of ► — Meals $ — Lodging $ — Other $ — Did employee have other regular employment? ☐ Yes. If yes, where? ☐ No ► — Hours/Week — Weekly Wages
11. Did claimed injury cause loss of time from work? ☐ Yes. If yes ► ☐ No — First day of lost time — Did the employee lose time from work on the day of claimed injury? ☐ Yes. If yes ► ☐ No — Hours lost
12. Has employee returned to work? ☐ Yes. If yes ► ☐ No — Date — Were full or partial wages paid for first day of lost time? ☐ Yes. If yes ► ☐ No — $ Paid — Hrs. Worked
13. Employer (If subsidiary, also specify parent's name and address) — Phone (Include Area Code) — Type of Ownership ☐ Individual ☐ Partnership ☐ Corporation ☐ Government
14. Department — Phone (Include Area Code) — SIC
15. Employer's Street Address — Name and title of Supervisor who first received notice of claimed injury
16. City, State, Zip — Date when notice received — Time of day that injury occurred ☐ A.M. ☐ P.M.
17. Location where injury occurred (identify job site) (identify city, zip) — Did injury occur on employer's premises? ☐ Yes ☐ No. If no, where?

17a. Total number of employees at the work location where the claimed injury occurred

18. Name of treating doctor or practitioner (Specify MD, DO, DC, etc.) — Phone (Include Area Code) — If treated at a hospital or hospitalized, name of hospital
19. Address — Hospital Address
20. City, State, Zip — City, State, Zip
21. Describe claimed injury or occupational illness in detail
22. Part of body affected — Name of object (machine, tool, etc.) or substance (chemical, etc.) involved
23. Nature of injury (cut, sprain, burn, etc.) — Type of accident (fall, struck by, bodily reaction, etc.)
24. What action has been taken to prevent reoccurrence?
25. Names of co-employees who may have witnessed claimed injury
26. Name of workers' compensation insurer if not on form
27. Dated — Sign Here ►

Complete this section only if claimed injury or illness resulted in death
Name of next of kin — Relationship — Date of death
Address — City, State, Zip
Signed by (Include official title and phone)

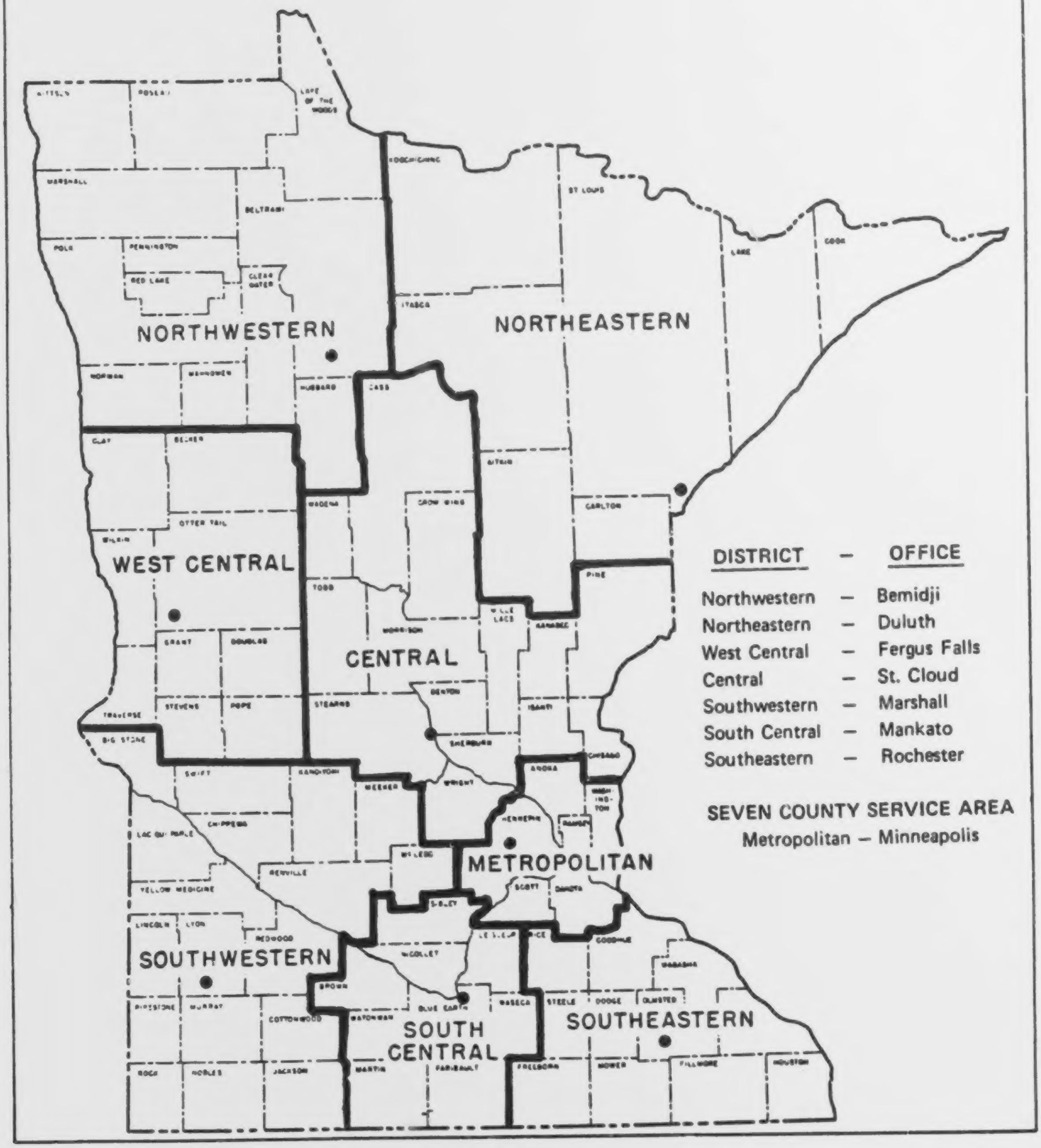
SAMPLE

LI 20010-02 White, Canary — Worker's Compensation Division Green — Insurer Blue — Employer

APPENDIX D

MAP OF HEALTH DISTRICTS AND OFFICES

Figure 6
MINNESOTA DEPARTMENT OF HEALTH
HEALTH DISTRICTS AND OFFICES



DISTRICT		OFFICE
Northwestern	–	Bemidji
Northeastern	–	Duluth
West Central	–	Fergus Falls
Central	–	St. Cloud
Southwestern	–	Marshall
South Central	–	Mankato
Southeastern	–	Rochester

SEVEN COUNTY SERVICE AREA
Metropolitan – Minneapolis

APPENDIX E

COMPARABILITY RATIOS ACCORDING TO THE NINTH AND EIGHTH REVISIONS OF THE INTERNATIONAL CLASSIFICATION OF DISEASES

TABLE 32

COMPARABLE CATEGORY NUMBERS AND ESTIMATED COMPARABILITY RATIOS FOR 72 SELECTED CAUSES OF DEATH ACCORDING TO THE NINTH AND EIGHTH REVISIONS

Cause of death according to the Ninth Revision of the International Classification of Diseases, 1975	Category Numbers According to		Estimated compara-bility ratio[1]	Standard Error of the Estimate in Column (3)	95 percent confidence limits[2]	
	ICD-9 Revision (1)	ICDA-8 Revision (2)	(3)	(4)	Upper (5)	Lower (6)
Shigellosis and amebiasis	004,006	004,006	0.9818	0.0378	1.0559	0.9077
Certain other intestinal infections	007-009	008,009	0.1821	0.0207	0.2227	0.1415
Tuberculosis	010-018	010-019	0.7668	0.0119	0.7901	0.7436
Tuberculosis of respiratory system	010-012	010-012	0.8429	0.0146	0.8715	0.8143
Other tuberculosis	013-018	013-019	0.5077	0.0167	0.5404	0.4750
Whooping cough	033	033	0.8571	0.0000	0.8571	0.8571
Streptococcal sore throat, scarlatina, and erysipelas	034-035	034	1.4286	0.0000	1.4286	1.4286
Meningococcal infection	036	036	0.9788	0.0124	1.0030	0.9546
Septicemia	038	038	0.8500	0.0180	0.8853	0.8147
Acute poliomyelitis	045	040-043	0.5000	0.0000	0.5000	0.5000
Measles	055	055	0.9167	0.0000	0.9167	0.9167
Viral hepatitis	070	070	1.3986	0.0820	1.5593	1.2379
Syphilis	090-097	090-097	1.0089	0.0259	1.0596	0.9582
All other infectious and parasitic diseases	001-003,005,020-032, 037,039-041,046-054, 056-066,071-088,098-139	Remainder of 000-136	1.0321	0.0634	1.1563	0.9079
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	140-208	140-209	1.0026	0.0017	1.0059	0.9993
Malignant neoplasms of lip, oral cavity, and pharynx	140-149	140-149	1.0117	0.0087	1.0288	0.9946
Malignant neoplasms of digestive organs and peritoneum	150-159	150-159	1.0330	0.0035	1.0398	1.0262
Malignant neoplasms of respiratory and intrathoracic organs	160-165	160-163	1.0007	0.0033	1.0071	0.9943
Malignant neoplasm of breast	174-175	174	1.0089	0.0022	1.0131	1.0047
Malignant neoplasms of genital organs	179-187	180-187	1.0111	0.0031	1.0171	1.0051
Malignant neoplasms of urinary organs	188-189	188,189	0.9924	0.0045	1.0011	0.9837
Malignant neoplasms of all other and unspecified sites	170-173,190-199	170-173,190-199	0.9557	0.0082	0.9718	0.9396
Leukemia	204-208	204-207	1.0070	0.0056	1.0180	0.9960
Other malignant neoplasms of lymphatic and hematopoietic tissues	200-203	200-203,208,209	0.9385	0.0069	0.9519	0.9251
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature	210-239	210-239	1.2085	0.0261	1.2595	1.1575
Diabetes mellitus	250	250	0.9991	0.0087	1.0162	0.9820
Nutritional deficiencies	260-269	260-269	0.7167	0.0262	0.7680	0.6654
Anemias	280-285	280-285	0.9296	0.0124	0.9538	0.9054
Meningitis	320-322	320	0.9459	0.0163	0.9777	0.9141
Major cardiovascular diseases	390-448	390-448	1.0069	0.0004	1.0076	1.0062
Diseases of heart	390-398,402,404-429	390-398,402,404 410-429	1.0126	0.0039	1.0202	1.0050
Rheumatic fever and rheumatic heart disease	390-398	390-398	0.8648	0.0080	0.8804	0.8492
Hypertensive heart disease	402	402	3.3022	0.0557	3.4114	3.1930
Hypertensive heart and renal disease	404	404	1.2119	0.0438	1.2978	1.1260
Ischemic heart disease	410-414	410-413	0.8784	0.0038	0.8859	0.8709
Acute myocardial infarction	410	410	1.0003	0.0054	1.0108	0.9898
Other acute and subacute forms of ischemic heart disease	411	411	1.2224	0.0661	1.3519	1.0929
Angina pectoris	413	413	1.0484	0.0666	1.1789	0.9179
Old myocardial infarction and other forms of chronic ischemic heart disease	412,414	412	0.7533	0.0055	0.7640	0.7426
Other diseases of endocardium	424	424,428	1.2286	0.0227	1.2731	1.1841
All other forms of heart disease	415-423,425-429	420-423,425-427,429	2.5035	0.0257	2.5539	2.4531
Hypertension with or without renal disease	401,403	400,401,403	1.2703	0.0294	1.3280	1.2126
Cerebrovascular diseases	430-438	430-438	1.0049	0.0066	1.0178	0.9920
Intracerebral and other intracranial hemorrhage	431-432	431	0.9969	0.0068	1.0102	0.9836
Cerebral thrombosis and unspecified occlusion of cerebral arteries	434.0,434.9	433	1.0340	0.0222	1.0774	0.9906
Cerebral embolism	434.1	434	1.1211	0.0924	1.3022	0.9400
All other and late effects of cerebrovascular diseases	430,433,435-438	430,432,435-438	0.9948	0.0061	1.0067	0.9829
Atherosclerosis	440	440	1.0649	0.0246	1.1130	1.0168
Other diseases of arteries, arterioles, and capillaries	441-448	441-448	0.7409	0.0098	0.7600	0.7218

TABLE 32. COMPARABLE CATEGORY NUMBERS AND ESTIMATED COMPARABILITY RATIOS FOR 72 SELECTED CAUSES OF DEATH ACCORDING TO THE NINTH AND EIGHTH REVISIONS (CONT.)

Cause of death according to the Ninth Revision of the International Classification of Diseases, 1975	Category Numbers According to: ICD-9 Revision (1)	Category Numbers According to: ICDA-8 Revision (2)	Estimated compara-bility ratio[1] (3)	Standard Error of the Estimate in Column (3) (4)	95 percent confidence limits[2]: Upper (5)	95 percent confidence limits[2]: Lower (6)
Acute bronchitis and bronchiolitis	466	466	0.8888	0.0274	0.9425	0.8351
Pneumonia and influenza	480-487	470-474,480-486	0.9264	0.0067	0.9394	0.9134
Pneumonia	480-486	480-486	0.9199	0.0076	0.9347	0.9051
Influenza	487	470-474	0.9714	0.0078	0.9868	0.9562
Chronic obstructive pulmonary diseases and allied conditions	490-496	490-493	1.8846	0.0150	1.9141	1.8551
Bronchitis, chronic and unspecified	490-491	490-491	0.9383	0.0134	0.9646	0.9120
Emphysema	492	492	0.9770	0.0127	1.0018	0.9522
Asthma	493	493	1.3544	0.0636	1.4790	1.2298
Other chronic obstructive pulmonary diseases and allied conditions	494-496	2	3	3	3	3
Ulcer of stomach and duodenum	531-533	531-533	1.1192	0.0247	1.1675	1.0709
Appendicitis	540-543	540-543	1.0080	0.0284	1.0637	0.9523
Hernia of abdominal cavity and intestinal obstruction without mention of hernia	550-553,560	550-553,560	0.9432	0.0169	0.9762	0.9102
Chronic liver disease and cirrhosis	571	571	1.0110	0.0069	1.0245	0.9975
Cholelithiasis and other disorders of gallbladder	574-575	574,575	1.0494	0.0445	1.1366	0.9622
Nephritis, nephrotic syndrome, and nephrosis	580-589	580-584	1.7397	0.0777	1.8920	1.5874
Acute glomerulonephritis and nephrotic syndrome	580-581	580,581	0.2422	0.0185	0.2783	0.2061
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified	582-583,587	582-584	0.4864	0.0196	0.5336	0.4673
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause	584-586,588,589	582-584	1.6327	0.0958	1.8205	1.4449
Infections of kidney	590	590	0.9878	0.0091	1.0056	0.9700
Hyperplasia of prostate	600	600	1.0332	0.0276	1.0874	0.9790
Complications of pregnancy, childbirth, and the puerperium	630-676	630-678	1.1000	0.0436	1.1853	1.0147
Pregnancy with abortive outcome	630-638	640-645	3.8125	0.0000	3.8125	3.8125
Other complications of pregnancy, childbirth and the puerperium	640-676	630-639,650-678	0.9840	0.0454	1.0729	0.8951
Congenital anomalies	740-759	740-759	0.9984	0.0100	1.0179	0.9789
Certain conditions originating in the perinatal period	760-779	760-769.2,769.4-772, 774-778	1.0765	0.0239	1.1230	1.0300
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome	767-769	764-768,772,776	0.7483	0.0306	0.8083	0.6883
Other conditions originating in the perinatal period	760-766,770-779	Remainder of 760-778	1.4639	0.0371	1.5367	1.3911
Symptoms, signs, and ill-defined conditions	780-799	780-796	0.9102	0.0121	0.9338	0.8866
All other diseases	Residual	Residual	0.7786	0.0082	0.7947	0.7625
Accidents and adverse effects	E800-E949	E800-E949	0.9970	0.0030	1.0029	0.9911
Motor vehicle accidents	E810-E825	E810-E823	1.0117	0.0027	1.0169	1.0066
All other accidents and adverse effects	E800-E807,E826-E949	E800-E807,E825-E949	0.9841	0.0051	0.9941	0.9741
Suicide	E950-E959	E950-E959	1.0032	0.0042	1.0114	0.9950
Homicide and legal intervention	E960-E978	E960-E978	1.0057	0.0030	1.0115	0.9999
All other external causes	E980-E999	E980-E999	0.9675	0.0144	0.9957	0.9393

TABLE 33

COMPARABLE CATEGORY NUMBERS AND ESTIMATED COMPARABILITY RATIOS FOR 10 SELECTED CAUSES OF INFANT DEATHS ACCORDING TO THE NINTH AND EIGHTH REVISIONS

Cause of death according to the Ninth Revision of the International Classification of Diseases, 1975	Category Numbers According to		Estimated compara bility ratio[1] (3)	Standard Error of The Estimate in Column (3) (4)	95 percent confidence limits[2]	
	ICD 9 Revision (1)	ICD 8 Revision (2)			Upper (5)	Lower (6)
All causes			1.0000			
Certain gastrointestinal diseases	008-009,535,555-558	004,006-009,535, 561,563	0.4878	0.0228	0.5125	0.4231
Pneumonia and influenza	480-487	470-474,480-486	0.7471	0.0200	0.7862	0.7078
Congenital anomalies	740-759	740-759	1.0071	0.0062	1.0191	0.9949
Disorders relating to short gestation and unspecified low birthweight	765	777	0.9630	0.0107	0.9839	0.9421
Birth trauma	767	764-768(.0-.3),772	0.7154	0.0337	0.7813	0.6493
Intrauterine hypoxia and birth asphyxia	768	776.9	0.3270	0.0212	0.3684	0.2856
Respiratory distress syndrome	769					
Other conditions originating in the perinatal period	760-764,766,770-779	Remainder of 760-778	0.8492	0.0098	0.8683	0.8301
Sudden infant death syndrome	798.0					
All other causes	Residual	Residual	0.5455	0.0061	0.5573	0.5336

---

[1] Ratio of deaths assigned according to the Ninth Revision to deaths assigned according to the Eighth Revision.

[2] The probability is 95 percent that the true comparability ratio will have a value between the upper and lower limits shown. These limits were computed before the standard error was rounded to the fourth decimal.

[3] Chronic obstructive lung disease without mention of asthma, bronchitis, or emphysema (No. *519.3), introduced by NCHS to be used with the Eighth Revision, is comparable to Other chronic obstructive pulmonary diseases and allied conditions (ICD Nos. 494-496) of the Ninth Revision. The comparability ratio for this set of titles is 1.0054, with a standard error of 0.0118, a relative error of 1.2 percent, and 95 percent confidence limits of 1.0285 and 0.9823. These data are not shown in this table because there are no sample data for *519.3.

Source: *MONTHLY VITAL STATISTICS REPORT*, National Center for Health Statistics, DHEW Publication No. (PHS) 80-1120, Vol. 28, No. 11 Supplement, February 29, 1980, pp. 3-4, 12-13

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MINNESOTA

HEALTH STATISTICS

1983

Published June, 1985

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Minnesota Center for Health Statistics
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FOREWORD

Minnesota Health Statistics 1983 was prepared by the Minnesota Center for Health Statistics of the Minnesota Department of Health and is the 33rd annual summary of vital statistics published by the Department. The document also responds, in part, to the requirements of a contract held with the United States Department of Health, Education, and Welfare to establish and implement a cooperative health statistics program for Minnesota.

The basic data for Minnesota Health Statistics 1983 were obtained from Birth, Death, Fetal Death, Marriage, and Divorce certificates and/or reports filed with the Section of Vital Statistics Registration within the Department during calendar year 1983.

If you have suggestions concerning the report format, queries concerning the data formulae used in developing the statistics, or if you have requests for additional statistics please contact:

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TABLE OF CONTENTS

Page

Technical Notes 1

Sources of Data 1
Data Quality 2
Geographic Allocation 4
Definition of Rates 6

Overview of 1983 Vital Statistics 7

Live Births 17

Infant Mortality and Fetal Deaths 37

General Mortality 41

Marriage and Divorce 69

Occupational Illness and Injury 77

Population 85

Appendices 101

A. Definitions 103

B. Other Recent Selected Publications 109

C. Data Collection Instruments 113

D. Map of Health Districts and Offices 121

E. Comparability Ratios According to the Ninth and Eighth Revisions of the International Classification of Diseases . . 125

LIST OF TABLES

Table Page

1 Percent Changes Between 1982 and 1983 Selected Minnesota Health Statistics 9

2 Crude Rates of Vital Events, Minnesota vs. United States, 1950, 1960, 1970, 1980-1983 10

3 Births, Deaths, Infant Deaths, Fetal Deaths, Marriages, Divorces and Annulments by Month, Minnesota Occurrences, 1983 11

4 Live Births, Fetal Deaths, Deaths, Infant Deaths, and Neonatal Deaths by Urban Area of Residence, Minnesota, 1983 . . 12

5 Live Births by County of Occurrence Distributed According to Residence, Resident Live Births Distributed According to Place of Birth, Minnesota, 1983 20

6 Selected Resident Natality Statistics by County and Cities Over 90,000, Minnesota, 1983 22

7 Live Birth Weight by Live Birth Order and Sex, Minnesota Residents, 1983 34

8 Live Births by Age of Mother and Live Birth Order, Minnesota Residents, 1983 35

9 Prenatal Care and Race by Age of Mother and by Legitimacy Status, Minnesota Residents, 1983 36

10 Infant, Neonatal and Postneonatal Deaths by Cause, Minnesota Residents, 1983 39

11 Fetal Deaths of 20 Weeks and Over by Cause and Weight of Fetus, Minnesota Residents, 1983 40

12 Deaths by County of Occurrence According to Residence: Resident Deaths Distributed According to Place of Death, Minnesota, 1983 44

13 Deaths From Selected Causes by Age Group and Sex, Minnesota Residents, 1983 46

14 Deaths Due to Selected Causes by Race, Minnesota Residents, 1983 52

15 Fifteen Leading Causes of Death, Death Rates Per 100,000 Population and Percent of Total Deaths, Minnesota Residents, 1983 53

LIST OF TABLES (CONT.)

Table Page

16 Leading Causes of Death by Selected Age Groups, Minnesota Residents, 1983 54

17 Accident Fatalities Occurring in Minnesota by Accident Category and Age Group, 1982-1983 55

18 Deaths Occurring in Minnesota by Cause and Autopsy Status, 1983 56

19 Selected Resident Mortality Statistics by County and Cities Over 90,000, Minnesota, 1983 57

20 Marriages Reported in Minnesota by State of Residence, 1983 . . 71

21 Marriages, Divorces, and Annulments by County of Occurrence, Minnesota, 1983 72

22 Marriages Occurring in Minnesota by Race of Bride and Groom, 1983 74

23 Marriages Occurring in Minnesota by Age of Bride and Groom, 1983 75

24 Divorces and Annulments by Age of Husband and Wife, Minnesota, 1983 76

25 Estimated Number of Injuries and Illnesses by Major Industrial Category, Minnesota, 1982 and 1983 79

26 Annual Average Employment, Percent of Total Employment and Rate of Occupational Injuries and Illnesses Per 1,000 Workers by Industrial Category, Minnesota, 1982 and 1983 80

27 Estimated Number of Injuries and Illnesses by Major Occupational Category, Minnesota, 1982 and 1983 81

28 Estimated Number of Occupational Injuries and Illnesses by Type of Accident, Minnesota, 1982 and 1983 82

29 Estimated Number of Occupational Injuries and Illnesses by Nature of Injury, Minnesota, 1982 and 1983 83

30 Estimated Number of Occupational Injuries and Illnesses by Part of Body Injured, Minnesota, 1982 and 1983 84

31 Population Estimates by Region, County, Cities Over 90,000, Age and Sex, Minnesota, 1983 89

LIST OF TABLES (CONT.)

Table Page

32 Comparable Category Numbers and Estimated Comparability Ratios for 72 Selected Causes of Death According to the Ninth and Eighth Revisions 127

33 Comparable Category Numbers and Estimated Comparability Ratios for 10 Selected Causes of Infant Deaths According to the Ninth and Eighth Revisions 128

LIST OF FIGURES

Figure Page

1 Certificate of Death 115

2 Certificate of Live Birth 116

3 Certificate of Fetal Death 117

4 Report of Induced Abortion 118

5 First Report of Injury 119

6 Map of Health Districts and Offices 121

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TECHNICAL NOTES

****

A. SOURCES OF DATA

Vital Events

Birth, death, and fetal death certificates are the source documents for data on vital events of Minnesota residents during the 1983 calendar year. A copy of each of these types of certificates is included in Appendix C, Figures 1-3, pages 115-117. Marriage and divorce data are compiled from transmittal documents which are received from each county.

The cut-off date for 1983 vital events data in this report was August 1, 1984. Any data pertaining to a 1983 event for which a certificate was filed after August 1, 1984 are not included in this report. It is possible that future data obtained from the MCHS may differ slightly from that which appears in this report. If this should occur, it is due to an update to the 1983 data year which was made after the August 1 deadline.

Events relating to Minnesota residents which occurred in another state are included in this report.[1] The inclusion of these data is made possible by an agreement among all registration areas in the United States for resident exchange of copies of certificates.

Birth and fetal death certificates are usually completed by hospital personnel present at the delivery. Death certificates are usually completed by hospital personnel, physicians, and funeral directors.

Population

The 1983 population data used in this publication (by age, sex and county) are estimates calculated by the Minnesota Center for Health Statistics. The estimates are calculated using the following procedures:

1) The 1982 population estimates are used as a starting point for the 1983 estimates. Data are aggregated by county, sex, and single year of age.

2) The estimates are modified to account for natural increase. The entire population is aged one year from 1982. Then, 1982 births are added in as the 1983 infants (less than one year of age). Also, 1982 deaths are subtracted from the 1982 population by age, sex and county.

---

[1] No marriage and divorce reports are included in the interstate exchange program for vital events. Hence all marriage and divorce data are Minnesota occurrences.

3) The preliminary estimates from step 2 are adjusted to agree with the total county estimates developed by the State Demography Unit of the Minnesota Department of Energy, Planning and Development.

Occupational Injuries and Illnesses

The basic source document for the Supplementary Data System (SDS) of occupational injuries and illnesses is the "First Report of Injury" submitted by employers to the Minnesota Department of Labor and Industry, Worker's Compensation Division. A copy of "First Report of Injury" is included in Appendix C, Figure 5, page 119.

The Supplementary Data System covers all employees in the state who fall within the scope of the Worker's Compensation Act. This excludes railroads in interstate commerce, certain farm operations, casual employment not in the usual course of trade or business, and household workers earning less than $500 per quarter. Any work-related illnesses or injuries which cause a loss of three or more days of work are required to be reported.

B. DATA QUALITY

Vital Events

The quality of data presented in this report is directly related to the completeness and accuracy of the information contained on the certificates. The MDH works to ensure that the information received is as complete and accurate as possible, and maintains two major program operations related to improving the quality of information received on certificates.

The query program is a system used to check back with hospital personnel, funeral directors, and/or physicians concerning incomplete or conflicting information. The follow-up contact is usually done by telephone and is based both on a manual and computer editing procedure.

The field program attempts to improve certificate information by educating the participants in the vital registration system, i.e., hospital personnel, funeral directors, physicians, etc., of the uses and importance of vital statistics data. The field program completes this mission by conducting seminars with various associations representing the types of individuals listed above. In addition to regularly scheduled seminars, the field representative makes site visits when problems with registration relating to a particular area or institution are discovered.

The National Center for Health Statistics (NCHS) monitors Minnesota's coding of statistical data. NCHS has established a two percent upper limit for coding difference involving any one data item, with the exception of cause of death. A five percent limit is established for this item due to the complexity of the coding process.

Please note that some of the tables which include cause of death were modified slightly in 1979 to accommodate changes resulting from the adoption of a revised cause of death coding scheme -- The Ninth Revision of the International Classification of Diseases (ICD). The vast majority of cause of death categories remain comparable with previous years' tables. However, changes in definitions of rheumatic heart disease, nephritis and nephrosis, and hypertensive heart between the Eighth Revision of the ICD and the Ninth Revision have caused noticeable differences in the numbers of deaths attributed to those categories between 1978 and 1983. Please refer to Appendix E, pages 125-128 for comparability ratios for selected cause of death categories according to the Eighth and Ninth revisions pertaining to all ages (Table 1) and infants only (Table 2).

The Minnesota Department of Health implemented multiple cause coding on death certificates for the final quarter of 1983. All factors contributing to the death which are mentioned on the death certificate are coded using ICD-9 and underlying cause is determined through a series of special computer programs--the Automated Classification of Medical Entities (ACME).

The impact of ACME on underlying cause of death statistics is unknown, however no obvious differences appear when comparing 1982 and 1983 cause-specific data. More accurate comparisons can be made with 1984 data since a complete year will have been multiple cause coded and processed using ACME.

The ACME system provides not only traditional underlying cause statistics, but also multiple cause data which may be tailored for other indepth research and analysis. Planning is underway for future analyses and publication of multiple cause data.

Due to a modification of the birth certificate, the item "Other Significant Conditions of Child" is presently coded to include all conditions of significance to the child at birth and is not limited to birth injuries as was the case prior to 1981. Please note that tables of selected natality statistics will reflect this change in definition and that statistics pertaining to this item show major increases since 1980.

Another item to note is that all natality tables which include birth weight specific data have been modified to provide statistics for identification of live births under 2,500 grams. The tables affected are Tables 6, 7, and 11 which define low birth weight as less than 2,500 grams. This modification was necessary for compliance with national standards.

In 1983, a change was made in the computer program which produces high risk percent. Due to a definitional problem, births where urinary tract infection was noted as a condition affecting the mother were not included in the high risk percentage prior to 1983. However, these births would have been included in the percent calculation if any of the other high risk conditions existed. We have determined that less than one half of one percent of the Minnesota resident births noted urinary tract infections in 1983 and suspect that percentage to have been close to the same in previous years. Therefore, the addition of these births should have little influence on total high risk percentage.

Population

The 1983 population estimates used are the only known source of population data by age group, sex and county available at the time of publication of this report. In 1980, the census data were used to estimate the state population. These data were considered to be highly accurate due to various checking and follow-up procedures. The 1981 through 1983 estimates are postcensal estimates, and a modified version of the cohort-component method was used to obtain them. This is an established method of estimating population and is normally very accurate if birth, death, census and migration data are of good quality. Although these estimates are not as accurate as an actual census, they are still very useful estimators of the actual population of Minnesota. All rates in this publication have been calculated using these 1983 population estimates as a denominator.

Occupational Injuries and Illnesses

Nature of Injury or Illness, Source of Injury or Illness, Type of Accident and Part of Body affected are coded according to ANSIZ 16.2--1962 "Method of Recording Basic Facts Relating to the Nature and Occurrence of Work Injuries." Occupations are coded using Census Bureau Codes. Industries are coded using four digit Standard Industry Classification Codes.

The quality of occupational injuries and illnesses estimates is related to the completeness and the accuracy of coding the "First Report of Injury" as well as the validity of the sampling technique employed in deriving the estimates. Extensive input editing by computer entry programs is performed on basic codes. Also, periodic reviews by Regional Bureau of Labor Statistics personnel are performed to audit the coding function.

It should be noted that 1983 data are actual counts of reported injuries and illnesses, whereas 1982 numbers are estimates of injuries and illnesses based on a sampling ratio (1:3) where each record was multiplied by three to provide the estimate.

C. GEOGRAPHIC ALLOCATION

Vital Events

Vital events can be classified geographically in two ways. The first way is by place of occurrence, i.e., the actual state, county and minor civil division in which the birth or death took place. The second and more customary way is by place of residence, i.e, the state, county and minor civil division stated to be the usual residence of the decedent in the case of deaths or of the mother in the case of a newborn. Fetal deaths and infant deaths, in cases where the child was never discharged from the hospital, are classified to the residence of the mother.

While occurrence statistics are accurate and have both administrative value and some statistical importance, residence statistics are by far the more useful tool when constructing health indices for planning and evaluation purposes. The statistics provided in this report are residence data unless otherwise stated.

Allocation of vital events by place of residence is sometimes difficult, because classification depends entirely on the statement of the usual place of residence furnished by the informant at the time the original certificate is completed. For various reasons, this statement may be incorrect or incomplete. For example, mailing addresses very often differ from the actual geographic residence.

Where the mailing address is a rural delivery number or when an unincorporated place is given as the place of residence, it is seldom possible to allocate the event to a specific township or the correct minor civil division, if this information is not supplied. How often incorrect information on residence is recorded is not known, but it is generally due to lack of information concerning the exact location of residence or misunderstanding of the question on the part of the informant.

This problem is applicable generally only to minor civil division level data. Resident counts for the state as a whole are, for all practical purposes, very accurate. County resident figures are substantially correct and can be used with a high degree of confidence .

Each of Minnesota's 87 counties is classified into one of eight health districts, the borders of which can be made to correspond to a Health Systems Agency (HSA). The Health Systems Agencies, established under PL 93-641, are regional agencies designated for geographic locations for the planning and development of health services. Some data presented in this report are aggregated by MDH health district. Appendix D is a map showing the county distribution of the health districts and health service areas in Minnesota.

Population

The 1983 population estimates by age group and sex are available at the state and county level, as well as estimates for Minneapolis, St. Paul and Duluth. Estimates of the 1983 population of every city and township outside the seven-county Twin Cities Metropolitan Area were created by the Office of the State Demographer. These estimates, however, are not broken down by age group or sex. In addition, estimates of population of cities and townships inside the seven-county Twin Cities Metropolitan Area were created by the Metropolitan Council.

D. DEFINITIONS OF RATES

Absolute counts of health-related events do not readily lend themselves to analysis and comparison between years and between various geographic areas because of population differences. These demographic differences include total number, age and sex distributions, and ethnic or racial differentials. In order to assess the health status of a particular population at a specified time, the absolute number of events is converted to a relative number such as a probability of living or dying, a rate, a ratio, or an index. This conversion is made by relating the crude number of events to the living population at risk in a particular area at a specified time.

The following types of rates are used in this report:

CRUDE BIRTH RATE: Number of live births per 1,000 population.

FERTILITY RATE: Total number of live births per 1,000 females in the population of age 15 through 44 years.

NEONATAL DEATH RATE: Number of infants dying under 28 days of age per 1,000 live births.

INFANT DEATH RATE: Deaths under one year of age per 1,000 live births.

PERINATAL DEATH RATE: Number of fetal deaths of 20 weeks or more gestation plus the number of neonatal deaths (deaths to infants under 28 days of age) per 1,000 live births.

CRUDE DEATH RATE: Number of deaths per 1,000 population.

AGE/CAUSE SPECIFIC DEATH RATE: Number of deaths from a specified cause within a specified age group per 100,000 population in the same age group.

AGE/SEX ADJUSTED DEATH RATE: Total rates for counties and cities are adjusted for age and sex on the basis of the state population.

SEX ADJUSTED-AGE SPECIFIC DEATH RATE: Specific age group rates for counties and cities have been adjusted for sex on the basis of the state population for the specific age group.

OCCUPATIONAL INJURY AND ILLNESS RATE: Number of reported injuries or illnesses in a given industrial category per 1,000 workers in the same industrial category. State rate is calculated excluding agricultural categories.

Overview of Vital Statistics

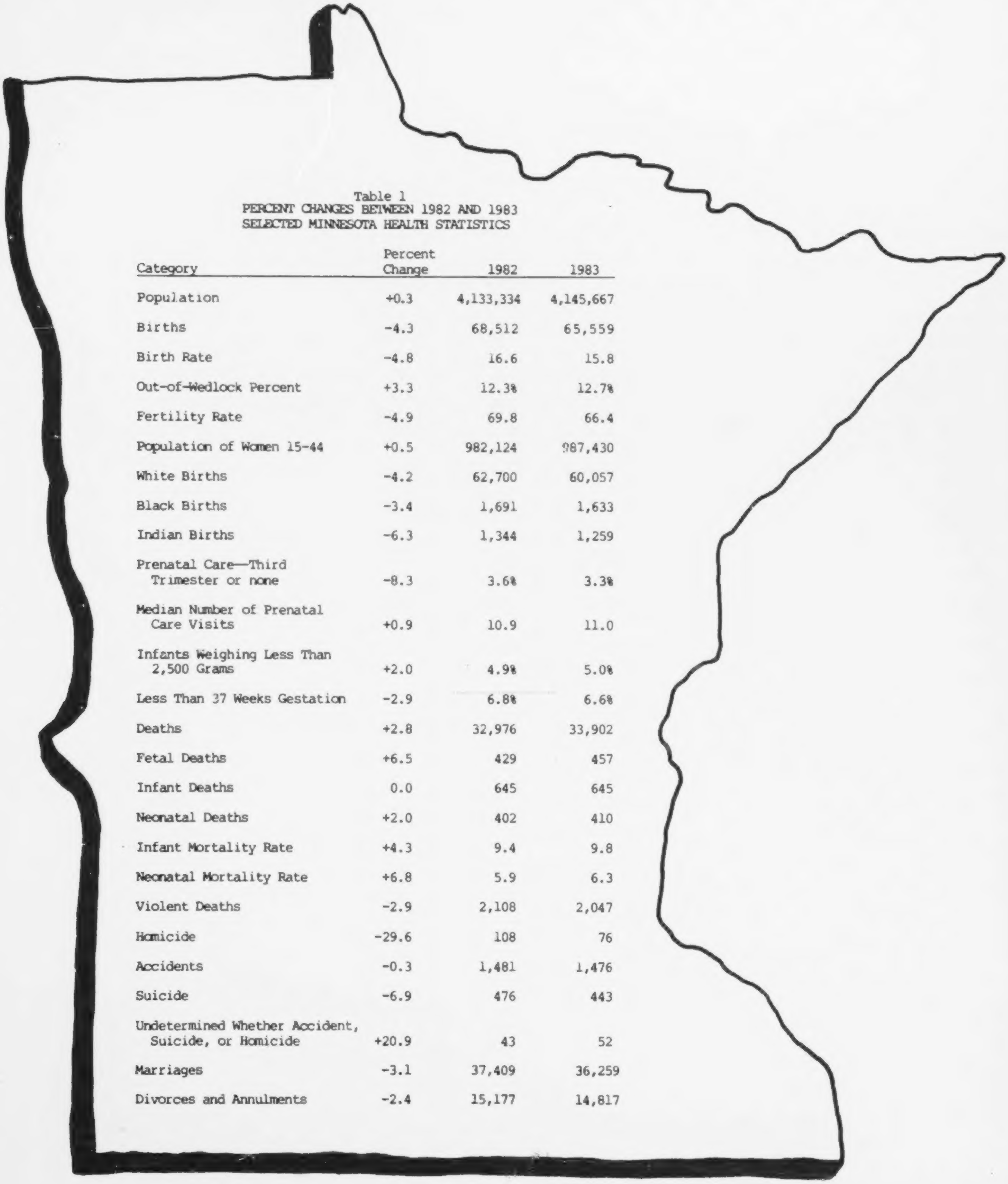

Table 1
PERCENT CHANGES BETWEEN 1982 AND 1983
SELECTED MINNESOTA HEALTH STATISTICS

Category	Percent Change	1982	1983
Population	+0.3	4,133,334	4,145,667
Births	-4.3	68,512	65,559
Birth Rate	-4.8	16.6	15.8
Out-of-Wedlock Percent	+3.3	12.3%	12.7%
Fertility Rate	-4.9	69.8	66.4
Population of Women 15-44	+0.5	982,124	987,430
White Births	-4.2	62,700	60,057
Black Births	-3.4	1,691	1,633
Indian Births	-6.3	1,344	1,259
Prenatal Care—Third Trimester or none	-8.3	3.6%	3.3%
Median Number of Prenatal Care Visits	+0.9	10.9	11.0
Infants Weighing Less Than 2,500 Grams	+2.0	4.9%	5.0%
Less Than 37 Weeks Gestation	-2.9	6.8%	6.6%
Deaths	+2.8	32,976	33,902
Fetal Deaths	+6.5	429	457
Infant Deaths	0.0	645	645
Neonatal Deaths	+2.0	402	410
Infant Mortality Rate	+4.3	9.4	9.8
Neonatal Mortality Rate	+6.8	5.9	6.3
Violent Deaths	-2.9	2,108	2,047
Homicide	-29.6	108	76
Accidents	-0.3	1,481	1,476
Suicide	-6.9	476	443
Undetermined Whether Accident, Suicide, or Homicide	+20.9	43	52
Marriages	-3.1	37,409	36,259
Divorces and Annulments	-2.4	15,177	14,817

Table 2
CRUDE RATES OF VITAL EVENTS
MINNESOTA VS UNITED STATES
1950, 1960, 1970, 1980-1983

	1983	1982	1981	1980	1970	1960	1950
Birth Rate							
United States	15.5**	15.9	15.8	15.9	18.4	23.7	24.1
Minnesota	15.8	16.6	16.7	16.6	18.0	25.6	25.2
Death Rate							
United States	8.6**	8.5	8.6	8.8	9.5	9.5	9.6
Minnesota	8.2	8.0	8.0	8.2	8.9	9.3	9.4
Infant Mortality Rate							
United States	10.9**	11.5	11.9	12.6	20.0	26.0	29.2
Minnesota	9.8	9.4	10.2	10.0	17.6	21.5	25.0
Marriage Rate							
United States	10.5**	10.8**	10.6	10.6	10.6	8.5	11.1
Minnesota	8.7	9.1	9.2	9.2	8.2	6.9	10.4
Divorce Rate							
United States	5.0**	5.1**	5.3	5.2	3.5	2.2	2.6
Minnesota	3.6	3.7	4.0	3.7	2.2	1.2	1.4

*All rates are calculated per 1,000 population except infant deaths which are calculated per 1,000 live births.

**United States rates for 1983 are provisional.

SOURCE: *Monthly Vital Statistics Report,* Vol. 32, No. 13; Vol. 33, No. 6 and 9, National Center for Health Statistics (United States data only)

Health--United States, 1983

Table 3
BIRTHS, DEATHS, INFANT DEATHS, FETAL DEATHS, MARRIAGES, DIVORCES AND ANNULMENTS BY MONTH
MINNESOTA OCCURRENCES, 1983

	Births	Deaths	Infant Deaths	Fetal Deaths	Marriages	Divorces & Annulments
Total	65,983	34,333	689	467	36,259	14,817
January	5,173	3,264	62	47	1,241	1,231
February	5,084	2,933	56	39	1,494	1,032
March	6,022	2,882	75	49	1,623	1,344
April	5,552	2,860	59	30	2,791	1,185
May	5,643	2,780	43	42	3,382	1,300
June	5,537	2,685	56	33	4,993	1,372
July	5,884	2,780	65	34	4,053	1,194
August	5,628	2,796	39	34	4,389	1,193
September	5,534	2,667	58	30	4,323	1,130
October	5,404	2,842	64	52	3,643	1,282
November	5,190	2,827	62	43	2,146	1,189
December	5,332	3,017	50	34	2,181	1,365

Table 4
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1983

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Afton	31	-	7	-	-
Albert Lea	245	1	230	4	4
Alexandria	126	-	155	2	1
Andover	119	1	23	3	2
Anoka	330	-	124	1	-
Apple Valley	435	4	34	3	2
Arden Hills	106	-	53	1	-
Aurora	41	-	32	1	1
Austin	305	2	258	3	2
Baxter	13	-	12	-	-
Bayport	24	-	14	-	-
Belle Plaine	46	-	41	-	-
Bemidji	182	2	111	-	-
Benson	59	1	62	2	2
Blaine	684	6	77	8	4
Bloomington	989	7	431	9	7
Blue Earth	58	1	72	1	1
Brainerd	234	4	161	3	-
Breckenridge	45	-	53	-	-
Brooklyn Center	427	1	185	3	1
Brooklyn Park	1,079	6	103	5	3
Buffalo	122	1	86	2	2
Burnsville	598	3	93	2	1
Caledonia	56	-	39	-	-
Cambridge	58	-	56	-	-
Cannon Falls	53	-	37	2	2
Champlin	197	1	28	1	1
Chanhassen	97	-	33	2	1
Chaska	189	1	41	2	1
Chisholm	99	1	67	-	-
Circle Pines	87	1	13	1	1
Cloquet	217	4	138	1	1
Columbia Heights	255	2	165	4	4
Coon Rapids	771	3	125	11	5
Corcoran	91	-	10	2	-
Cottage Grove	329	3	44	1	-
Crookston	149	-	106	3	1
Crystal	356	2	161	6	1
Dayton	54	-	5	-	-
Deephaven	31	-	11	1	-
Detroit Lakes	114	2	131	1	-
Dilworth	49	-	18	-	-
Duluth	1,275	9	1,071	7	7
Eagan	539	2	51	3	2
East Bethel	91	-	10	1	-
East Grand Forks	161	4	77	-	-
Eden Prairie	375	3	60	4	3
Edina	334	2	393	3	1
Elk River	131	-	61	1	1
Ely	50	-	72	-	-

Table 4
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1983 (CONT.)

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Eveleth	66	-	71	1	1
Excelsior	71	-	35	1	1
Fairmont	185	5	154	2	1
Falcon Heights	91	-	35	1	-
Faribault	288	4	196	2	1
Farmington	130	1	46	4	1
Fergus Falls	179	3	155	-	-
Forest Lake	162	1	86	1	1
Fridley	393	3	136	1	1
Gilbert	34	-	27	-	-
Glencoe	79	-	46	1	1
Glenwood	33	1	67	1	-
Golden Valley	214	1	158	2	2
Goodview	1	-	8	-	-
Grand Rapids	123	-	102	2	1
Granite Falls	45	-	42	-	-
Ham Lake	95	1	20	1	-
Hastings	232	5	127	2	2
Hermantown	19	-	26	1	-
Hibbing	295	2	245	4	3
Hopkins	262	1	154	5	5
Hoyt Lakes	29	-	11	-	-
Hugo	59	-	12	-	-
Hutchinson	164	3	95	3	2
Independence	13	-	2	-	-
International Falls	115	2	69	-	-
Inver Grove Heights	293	4	71	2	2
Jackson	51	-	56	-	-
Jordan	78	-	33	1	-
Kasson	88	1	19	-	-
La Crescent	65	-	37	1	1
Lake City	52	-	44	-	-
Lake Elmo	93	-	13	-	-
Lakeville	257	3	48	3	2
Le Sueur	65	-	59	1	1
Lino Lakes	127	2	11	-	-
Litchfield	73	-	95	1	-
Little Canada	109	-	35	1	1
Little Falls	127	1	123	-	-
Long Prairie	50	-	46	-	-
Luverne	71	-	63	-	-
Mahtomedi	76	-	17	-	-
Mankato	443	4	238	6	3
Maple Grove	588	-	50	3	2
Maplewood	356	6	220	7	4
Marshall	180	1	75	1	1
Medina	31	-	10	-	-
Mendota Heights	71	-	36	-	-
Minneapolis	6,114	56	3,980	61	35
Minnetonka	494	-	181	2	2

Table 4
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1983 (CONT.)

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Minnetrista	24	-	8	-	-
Montevideo	85	1	80	-	-
Monticello	104	-	27	-	-
Moorhead	427	-	224	7	2
Mora	33	-	53	-	-
Morris	55	-	48	-	-
Mound	175	-	60	-	-
Mounds View	200	-	44	6	2
Mountain Iron	23	-	20	-	-
New Brighton	304	1	138	4	1
New Hope	317	-	174	2	2
New Prague	71	-	46	-	-
New Ulm	231	1	143	4	2
Newport	69	-	21	2	2
North Mankato	163	2	40	4	4
North Oaks	19	-	6	-	-
North St. Paul	173	-	61	1	1
Northfield	140	1	104	2	-
Oak Park Heights	22	-	13	1	-
Oakdale	196	3	44	1	1
Olivia	55	-	42	-	-
Orono	53	-	17	1	-
Ortonville	41	-	42	-	-
Osseo	56	2	48	-	-
Owatonna	309	4	158	6	5
Park Rapids	43	-	87	-	-
Pipestone	71	1	85	2	2
Plymouth	508	-	118	7	3
Princeton	56	1	34	-	-
Prior Lake	170	-	40	-	-
Proctor	43	-	28	-	-
Ramsey	124	2	16	-	-
Red Wing	193	1	142	1	1
Redwood Falls	85	-	76	2	2
Richfield	518	4	280	8	6
Robbinsdale	205	3	140	-	-
Rochester	1,270	4	454	14	10
Rosemount	134	-	31	1	1
Roseville	350	7	261	8	4
S. International Falls	25	1	18	-	-
S. St. Paul	334	3	147	2	2
Sartell	101	-	63	-	-
Sauk Centre	58	-	47	1	1
Sauk Rapids	127	-	68	3	2
Savage	88	1	11	-	-
Shakopee	214	-	82	5	5
Shoreview	286	1	57	5	3
Shorewood	34	-	13	-	-
Silver Bay	32	-	6	-	-
Sleepy Eye	68	-	52	1	1

Table 4
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1983 (CONT.)

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Spring Lake Park	88	1	19	2	2
Spring Valley	49	1	40	1	1
St. Anthony	71	-	77	-	-
St. Cloud	665	6	289	15	9
St. James	78	-	66	2	1
St. Joseph	48	-	14	-	-
St. Louis Park	596	3	359	7	4
St. Paul	4,954	38	2,762	48	29
St. Paul Park	88	1	22	-	-
St. Peter	94	-	78	-	-
Staples	49	-	49	1	-
Stewartville	102	1	47	2	1
Stillwater	266	2	140	2	-
Thief River Falls	133	-	123	-	-
Two Harbors	61	-	76	-	-
Vadnais Heights	194	2	16	5	3
Virginia	146	-	170	1	1
Waconia	40	-	52	-	-
Wadena	61	2	78	-	-
Waite Park	100	-	32	-	-
Waseca	142	1	91	6	4
Wayzata	73	-	38	-	-
Wells	37	-	30	-	-
West St. Paul	230	2	225	3	2
White Bear Lake	458	3	143	10	8
Willmar	283	1	149	2	2
Windom	52	1	61	-	-
Winona	330	1	338	2	-
Woodbury	194	3	51	1	1
Worthington	133	2	108	4	2

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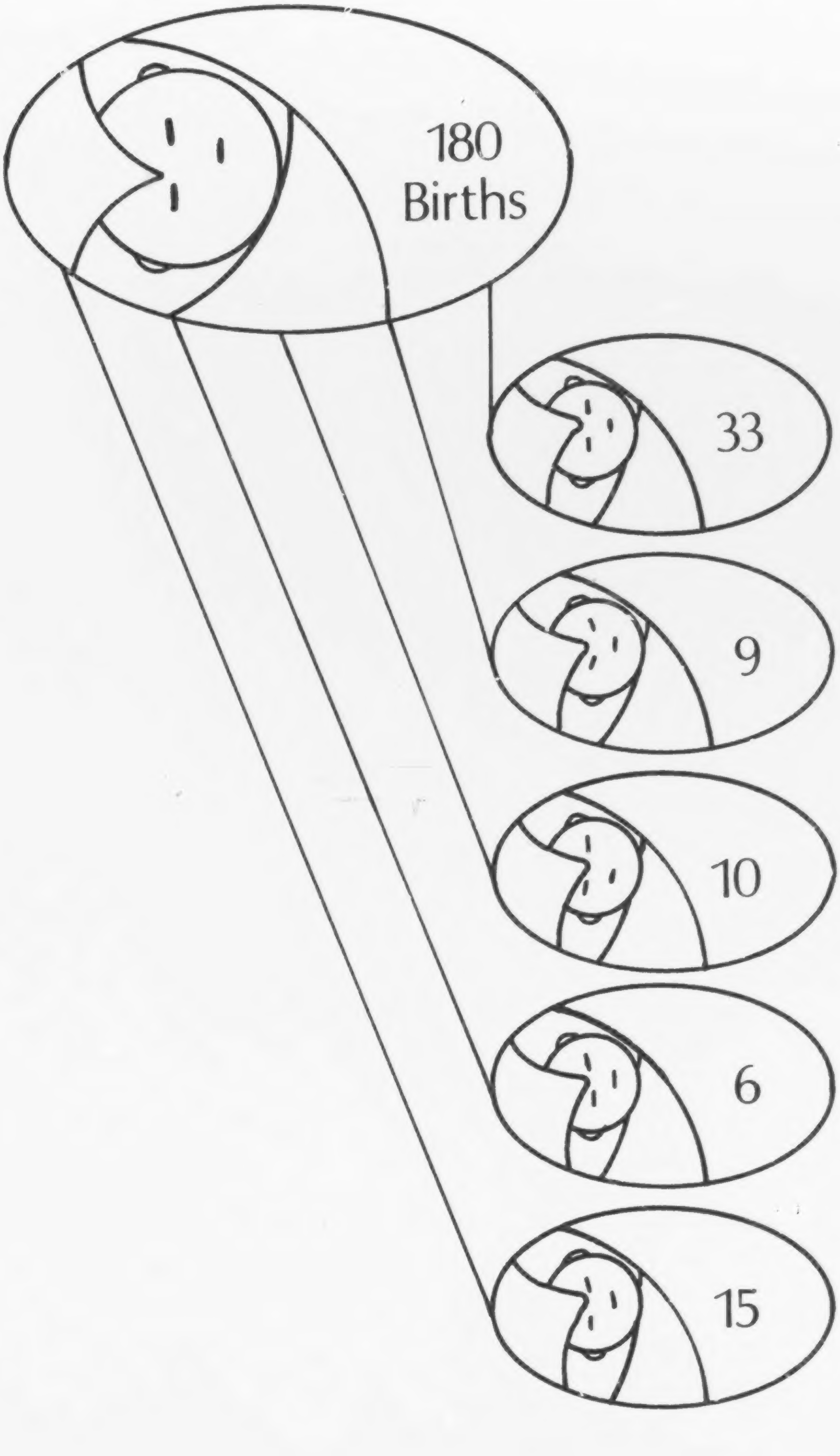
* Municipalities with population of 2,500 or more.

Live Births

Every day in 1983, residents of Minnesota experienced an average of:



High Risk Births

Births Weighing Less Than 2,500 Grams

Births to Women Aged 35 or Older

Births in which Prenatal Care was Initiated Late or Not at All

Births to Women Aged 19 or Under

Table 5

LIVE BIRTHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE, RESIDENT LIVE BIRTHS DISTRIBUTED ACCORDING TO PLACE OF BIRTH, MINNESOTA, 1983

	Births Occurring in County				Resident Births		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
State Total	65,983	44,629	19,182	2,172	19,182	1,748	65,559
Aitkin	127	120	7	-	79	1	200
Anoka	3,597	2,114	1,474	9	1,423	7	3,544
Becker	462	335	126	1	89	57	481
Beltrami	806	562	244	-	18	3	583
Benton	3	3	-	-	585	2	590
Big Stone	199	97	33	69	9	5	111
Blue Earth	1,259	743	514	2	60	2	805
Brown	649	447	200	2	44	-	491
Carlton	365	261	102	2	241	1	503
Carver	716	284	432	-	361	-	645
Cass	26	23	3	-	317	2	342
Chippewa	211	127	83	1	76	-	203
Chisago	247	149	94	4	254	61	464
Clay	395	272	53	70	8	414	694
Clearwater	77	69	8	-	63	2	134
Cook	40	40	-	-	16	-	56
Cottonwod	137	102	35	-	74	2	178
Crow Wing	781	596	184	1	46	2	644
Dakota	662	505	105	52	2,945	10	3,460
Dodge	2	2	-	-	270	1	273
Douglas	538	396	142	-	40	1	437
Faribault	196	150	13	33	119	-	269
Fillmore	93	61	28	4	190	66	317
Freeborn	574	421	101	52	39	8	468
Goodhue	623	417	60	146	180	1	598
Grant	46	36	9	1	68	2	106
Hennepin	19,448	13,335	5,977	136	1,256	23	14,614
Minneapolis	11,080	4,451	6,520	109	1,652	11	6,114
Houston	58	49	3	6	18	240	307
Hubbard	275	158	117	-	74	3	235
Isanti	501	262	237	2	154	-	416
Itasca	589	520	68	1	110	3	633
Jackson	65	56	7	2	103	31	190
Kanabec	260	134	125	1	91	-	225
Kandiyohi	876	558	313	5	46	2	606
Kittson	90	64	19	7	10	18	92
Koochiching	186	177	8	1	25	4	206
Lac Qui Parle	79	68	7	4	61	4	133
Lake	80	71	8	1	78	-	149
Lake of the Woods	65	42	22	1	11	1	54
Le Sueur	73	61	12	-	358	-	419
Lincoln	120	63	26	31	31	12	106
Lyon	456	342	112	2	50	11	403
McLeod	533	368	163	2	126	-	494
Mahnomen	36	27	9	-	66	4	97
Marshall	22	21	1	-	103	55	179
Martin	454	352	23	79	32	7	391
Meeker	206	156	50	-	187	2	345
Mille Lacs	417	254	161	2	60	-	314
Morrison	505	434	70	1	113	1	548
Mower	501	432	56	13	107	15	554

Table 5

LIVE BIRTHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE, RESIDENT LIVE BIRTHS DISTRIBUTED ACCORDING TO PLACE OF BIRTH, MINNESOTA, 1983 (CONT.)

	Births Occurring in County				Resident Births		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
Murray	100	80	20	-	78	4	162
Nicollet	131	64	67	-	306	-	370
Nobles	461	240	180	41	45	35	320
Norman	15	13	1	1	42	51	106
Olmsted	2,701	1,738	899	64	11	1	1,750
Otter Tail	650	560	81	9	181	30	771
Pennington	376	201	175	-	10	15	226
Pine	32	29	3	-	298	13	340
Pipestone	148	127	18	3	25	30	182
Polk	369	298	70	1	34	218	550
Pope	141	111	29	1	89	-	200
Ramsey	8,833	5,709	2,879	245	1,993	8	7,710
St. Paul	8,827	3,904	4,678	245	1,044	6	4,954
Red Lake	19	18	1	-	65	5	88
Redwood	245	188	57	-	134	2	324
Renville	147	136	7	4	203	1	340
Rice	677	539	133	5	159	2	700
Rock	187	117	49	21	6	37	160
Roseau	161	140	16	5	52	6	198
St. Louis	3,708	2,775	475	458	56	4	2,835
Duluth	2,436	1,263	722	451	10	2	1,275
Scott	948	456	492	-	337	-	793
Sherburne	4	4	-	-	533	2	539
Sibley	95	82	12	1	135	-	217
Stearns	2,775	1,784	988	3	166	2	1,952
Steele	444	379	64	1	118	3	500
Stevens	155	117	38	-	20	3	140
Swift	93	90	3	-	84	-	174
Todd	267	200	66	1	227	4	431
Traverse	89	50	16	23	27	6	83
Wabasha	251	166	25	60	166	-	332
Wadena	381	152	229	-	59	2	213
Waseca	181	159	22	-	140	2	301
Washington	621	363	145	113	1,468	21	1,852
Watonwan	187	154	33	-	45	-	199
Wilkin	390	75	14	301	10	21	106
Winona	579	463	58	58	110	129	702
Wright	489	387	102	-	766	3	1,156
Yellow Medicine	207	129	71	7	99	2	230
Unknown	-	-	-	-	1	-	1

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*
MINNESOTA, 1983

	State	Aitkin	Anoka	Becker	Beltrami	Benton	Big Stone	Blue Earth
Live Births	65,559***	200	3,544	481	583	590	111	805
Fertility Rate	66.4	77.4	64.6	74.2	71.9	94.2	75.2	58.4
Birth Rate	15.8	14.7	17.1	15.5	17.7	22.3	13.7	15.2
Sex: Male	33,567	108	1,819	237	323	303	45	418
Female	31,991**	92	1,725	244	260	287	66	387
Out-of-Wedlock, Percent	12.7	14.5	11.0	19.1	24.7	11.0	6.3	11.1
Race: White	60,057**	188	2,820	408	434	576	110	783
Black	1,633	-	13	-	6	1	-	5
Indian	1,259	9	23	70	140	6	1	6
Live Birth Order								
Median	2.3	2.4	2.2	2.5	2.4	2.5	2.4	2.3
% 5th or over	3.6	2.0	1.7	6.0	5.0	8.5	3.6	3.1
Prematurity, Percent								
Less than 37 weeks	6.6	3.0	4.3	6.0	7.9	7.5	8.1	6.2
Less than 2,500 grams	5.0	3.0	4.5	4.4	3.9	3.9	5.4	4.3
Plurality:								
Single	64,199**	198	3,445	467	570	576	111	787
Twin	1,328	2	93	14	13	14	-	18
Triplet	32	-	6	-	-	-	-	-
Mother's Age, Percent								
Under 18	2.4	4.5	1.7	3.7	3.4	2.7	2.7	1.6
18-19	5.7	12.0	5.8	8.5	9.8	4.6	4.5	6.1
40 and over	.7	-	.4	.8	.3	1.2	.9	.4
Mother's Education, Percent								
Less than 12 years	9.3	17.5	5.6	15.6	18.0	8.6	10.8	8.3
Over 3 years college	18.0	11.0	9.1	10.8	16.6	11.9	13.5	21.5
Prenatal Care Began, Percent								
3rd Trimester or none	3.3	3.5	2.1	4.2	4.5	1.0	5.4	1.5
Prenatal Care Visits								
Median	11.0	10.1	11.7	11.0	10.3	10.8	10.9	11.7
Congenital Anomalies, Percent	1.3	.5	.6	1.9	1.0	1.5	-	1.1
High Risk, Percent	18.6	24.5	12.8	20.4	19.4	16.4	16.2	16.0
Birth Injuries, Percent	4.5	5.5	2.0	5.2	2.7	3.6	4.5	2.2
Infant Deaths								
Total	645	1	36	4	12	8	1	11
White	588	1	36	4	10	8	1	11
Black	36	-	-	-	-	-	-	-
Indian	15	-	-	-	2	-	-	-
Neonatal Deaths								
Total	410	1	20	1	8	4	1	5
White	380	1	20	1	8	4	1	5
Black	19	-	-	-	-	-	-	-
Indian	7	-	-	-	-	-	-	-
First Day Deaths								
Total	266	-	14	-	7	3	-	2
White	242	-	14	-	7	3	-	2
Black	14	-	-	-	-	-	-	-
Indian	7	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	90	-	5	-	1	-	-	2
White	87	-	5	-	1	-	-	2
Black	3	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	54	1	1	1	-	1	1	1
White	51	1	1	1	-	1	1	1
Black	2	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	457**	-	25	6	7	2	1	5
White	384	-	21	5	5	1	1	5
Black	23	-	-	-	-	-	-	-
Indian	12	-	-	1	2	-	-	-
Perinatal Rate	13.2	5.0	12.7	14.6	25.7	10.2	18.0	12.4
Maternal Deaths	2	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

	Brown	Carlton	Carver	Cass	Chippewa	Chisago	Clay	Clear-water
Live Births	491	503	645	342	203	464	694	134
Fertility Rate	77.5	79.6	66.9	84.2	69.6	75.0	52.1	76.4
Birth Rate	17.2	17.1	16.3	16.0	13.6	16.8	14.1	14.8
Sex: Male	245	263	341	166	97	232	345	70
Female	246	240	304	176	106	232	349	64
Out-of-Wedlock, Percent	12.0	13.7	4.8	23.1	4.9	10.8	8.9	19.4
Race: White	488	471	641	259	201	452	679	107
Black	–	1	–	–	–	2	2	–
Indian	–	29	1	81	–	2	9	27
Live Birth Order								
Median	2.3	2.4	2.3	2.4	2.5	2.4	2.3	2.5
% 5th or over	4.3	4.0	2.8	3.8	3.9	3.7	3.3	4.5
Prematurity, Percent								
Less than 37 weeks	4.1	9.1	8.2	5.3	9.4	4.7	6.2	9.0
Less than 2,500 grams	5.1	5.2	5.1	7.6	4.9	5.0	4.6	3.7
Plurality:								
Single	486	487	630	336	195	456	686	134
Twin	5	16	15	6	8	8	8	–
Triplet	–	–	–	–	–	–	–	–
Mother's Age, Percent								
Under 18	2.6	3.6	1.1	5.6	3.0	3.7	1.4	6.0
18-19	6.3	5.8	4.7	10.2	3.4	7.1	6.9	11.2
40 and over	.4	1.4	.6	.6	.5	–	.6	–
Mother's Education, Percent								
Less than 12 years	3.7	12.9	5.9	17.3	9.4	10.8	7.1	19.4
Over 3 years college	6.1	11.5	15.8	9.6	9.4	11.0	19.3	9.0
Prenatal Care Began, Percent								
3rd Trimester or none	1.8	4.2	2.0	6.4	2.0	5.4	3.5	4.5
Prenatal Care Visits								
Median	10.5	10.6	11.7	9.0	10.4	9.8	11.8	10.1
Congenital Anomalies, Percent	2.9	1.8	1.6	2.3	1.0	2.2	1.6	1.5
High Risk, Percent	18.5	19.5	16.1	24.6	24.1	19.0	14.1	15.7
Birth Injuries, Percent	5.9	7.2	3.9	7.0	11.3	5.6	2.6	2.2
Infant Deaths								
Total	8	3	6	7	4	10	8	1
White	8	3	6	4	4	10	8	1
Black	–	–	–	–	–	–	–	–
Indian	–	–	–	3	–	–	–	–
Neonatal Deaths								
Total	5	3	3	5	4	9	3	1
White	5	3	3	2	4	9	3	1
Black	–	–	–	–	–	–	–	–
Indian	–	–	–	3	–	–	–	–
First Day Deaths								
Total	4	3	2	3	1	7	2	–
White	4	3	2	–	1	7	2	–
Black	–	–	–	–	–	–	–	–
Indian	–	–	–	3	–	–	–	–
1-6 Day Deaths								
Total	1	–	–	1	–	1	1	–
White	1	–	–	1	–	1	1	–
Black	–	–	–	–	–	–	–	–
Indian	–	–	–	–	–	–	–	–
7-27 Day Deaths								
Total	–	–	1	1	3	1	–	1
White	–	–	1	1	3	1	–	1
Black	–	–	–	–	–	–	–	–
Indian	–	–	–	–	–	–	–	–
Fetal Deaths								
Total	2	6	2	3	1	–	–	–
White	2	6	2	3	1	–	–	–
Black	–	–	–	–	–	–	–	–
Indian	–	–	–	–	–	–	–	–
Perinatal Rate	14.3	17.9	7.8	23.4	24.6	19.4	4.3	7.5
Maternal Deaths	–	–	–	–	–	–	–	–

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

	Cook	Cotton-wood	Crow Wing	Dakota	Dodge	Douglas	Faribault	Fill-more
Live Births	56	178	644	3,460	273	437	269	317
Fertility Rate	59.9	65.1	71.2	63.6	81.9	69.1	72.1	75.5
Birth Rate	13.1	12.6	15.2	16.6	18.0	14.8	14.0	14.5
Sex: Male	32	93	339	1,808	140	220	148	137
Female	24	85	305	1,652	133	217	121	180
Out-of-Wedlock, Percent	8.9	3.9	13.5	9.4	8.1	8.7	7.4	7.6
Race: White	53	175	634	3,364	271	433	268	315
Black	-	1	-	30	-	1	-	-
Indian	3	1	5	13	-	1	1	-
Live Birth Order								
Median	2.3	2.5	2.3	2.3	2.4	2.3	2.5	2.5
% 5th or over	7.1	1.1	3.9	2.2	2.9	4.3	2.2	5.0
Prematurity, Percent								
Less than 37 weeks	8.9	7.3	5.1	5.7	3.3	7.6	6.3	4.1
Less than 2,500 grams	3.6	5.1	3.9	4.7	2.6	3.2	3.3	1.9
Plurality:								
Single	56	174	640	3,400	271	425	267	315
Twin	-	4	4	60	2	12	2	2
Triplet	-	-	-	-	-	-	-	-
Mother's Age, Percent								
Under 18	3.6	1.7	3.3	1.3	1.8	1.8	2.6	2.8
18-19	1.8	4.5	7.1	4.4	5.9	8.5	5.2	7.3
40 and over	1.8	-	.5	.6	.4	.7	.7	.3
Mother's Education, Percent								
Less than 12 years	3.6	3.9	10.9	5.8	6.2	6.4	8.2	11.0
Over 3 years college	33.9	14.6	13.5	21.0	11.0	12.1	20.4	14.8
Prenatal Care Began, Percent								
3rd Trimester or none	-	2.2	3.1	3.2	4.4	.9	3.7	3.8
Prenatal Care Visits								
Median	12.5	11.3	9.6	11.4	11.4	11.7	10.4	10.5
Congenital Anomalies, Percent	-	-	1.9	1.0	2.2	1.8	1.9	1.9
High Risk, Percent	32.1	20.2	18.3	17.2	16.1	18.1	17.1	16.7
Birth Injuries, Percent	10.7	7.3	4.8	4.9	2.6	4.8	7.1	3.5
Infant Deaths								
Total	1	-	3	25	1	3	5	4
White	1	-	3	25	1	3	5	4
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	1	-	-	17	1	1	3	1
White	1	-	-	17	1	1	3	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	1	-	-	10	1	-	2	1
White	1	-	-	10	1	-	2	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	-	-	7	-	1	1	-
White	-	-	-	7	-	1	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	3	1	7	30	1	5	2	3
White	2	1	6	29	1	5	2	3
Black	-	-	-	-	-	-	-	-
Indian	1	-	1	-	-	-	-	-
Perinatal Rate	71.4	5.6	10.9	13.6	7.3	13.7	18.6	12.6
Maternal Deaths	-	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

	Freeborn	Goodhue	Grant	Hennepin	Minn-eapolis	Houston	Hubbard
Live Births	468	598	106	14,614****	6,114	307	235
Fertility Rate	63.7	72.3	80.1	60.4	64.9	77.3	75.2
Birth Rate	13.2	15.2	14.7	15.4	16.8	16.4	15.4
Sex: Male	227	314	46	7,556	3,178	145	123
Female	241	284	60	7,057	2,936	162	112
Out-of-Wedlock, Percent	11.8	8.9	6.6	17.1	28.9	8.8	9.8
Race: White	465	591	106	12,359	4,435	304	229
Black	-	-	-	1,104	948	-	-
Indian	1	3	-	399	365	1	6
Live Birth Order							
Median	2.4	2.4	2.4	2.1	2.1	2.3	2.6
% 5th or over	3.6	3.3	1.9	2.5	4.0	3.9	5.1
Prematurity, Percent							
Less than 37 weeks	7.3	6.5	10.4	7.1	7.9	3.3	8.9
Less than 2,500 grams	3.8	3.7	6.6	5.7	6.5	3.6	4.3
Plurality:							
Single	466	592	96	14,321	5,999	300	227
Twin	2	6	10	287	109	7	8
Triplet	-	-	-	6	6	-	-
Mother's Age, Percent							
Under 18	1.9	2.5	1.9	2.6	4.4	2.0	2.6
18-19	6.6	5.9	6.6	4.6	6.4	3.9	8.5
40 and over	.4	.2	-	.6	.7	.3	1.7
Mother's Education, Percent							
Less than 12 years	11.3	9.2	5.7	10.8	18.4	8.5	8.9
Over 3 years college	9.8	12.4	17.9	25.5	24.7	21.2	12.8
Prenatal Care Began, Percent							
3rd Trimester or none	3.0	2.2	.9	3.8	6.5	3.9	3.4
Prenatal Care Visits							
Median	10.1	11.4	11.0	12.0	11.5	11.1	8.6
Congenital Anomalies, Percent	1.5	2.0	1.9	1.0	1.1	3.9	.9
High Risk, Percent	17.3	17.6	18.9	20.2	24.9	20.2	18.7
Birth Injuries, Percent	5.3	4.8	8.5	4.0	4.6	3.9	2.6
Infant Deaths							
Total	5	8	1	137	61	4	2
White	5	8	1	107	36	4	1
Black	-	-	-	22	18	-	-
Indian	-	-	-	5	5	-	1
Neonatal Deaths							
Total	5	7	1	83	35	3	1
White	5	7	1	69	24	3	1
Black	-	-	-	12	10	-	-
Indian	-	-	-	-	-	-	-
First Day Deaths							
Total	5	6	1	47	21	2	1
White	5	6	1	35	12	2	1
Black	-	-	-	10	8	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	-	1	-	23	11	-	-
White	-	1	-	22	10	-	-
Black	-	-	-	1	1	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	-	-	-	13	3	1	-
White	-	-	-	12	2	1	-
Black	-	-	-	1	1	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	2	2	-	92	56	-	2
White	1	2	-	54	26	-	2
Black	-	-	-	19	16	-	-
Indian	-	-	-	6	6	-	-
Perinatal Rate	15.0	15.1	9.4	12.0	14.9	9.8	12.8
Maternal Deaths	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

	Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	Koochiching
Live Births	416	633	190	225	606	92	206
Fertility Rate	69.8	65.1	72.1	85.6	67.3	72.7	56.0
Birth Rate	16.5	14.1	14.0	18.2	15.3	13.6	12.3
Sex: Male	217	322	94	118	307	35	108
Female	199	311	96	107	299	57	98
Out-of-Wedlock, Percent	10.8	13.4	5.3	9.8	10.9	7.6	16.0
Race: White	391	553	188	224	601	90	198
Black	1	-	-	-	2	-	-
Indian	2	75	-	-	2	1	3
Live Birth Order							
Median	2.3	2.4	2.4	2.6	2.4	2.7	2.4
% 5th or over	3.6	5.5	2.1	4.9	3.1	3.3	3.9
Prematurity, Percent							
Less than 37 weeks	7.2	8.2	2.6	8.9	6.6	7.6	2.4
Less than 2,500 grams	3.6	4.1	4.2	4.9	5.3	3.3	4.4
Plurality:							
Single	410	620	185	213	594	92	206
Twin	6	13	2	12	12	-	-
Triplet	-	-	3	-	-	-	-
Mother's Age, Percent							
Under 18	2.6	3.8	3.2	3.6	2.3	3.3	2.4
18-19	6.0	8.2	4.2	11.6	7.1	4.3	9.7
40 and over	1.0	.5	1.1	.9	.7	-	-
Mother's Education, Percent							
Less than 12 years	11.1	12.3	6.3	20.4	9.9	12.0	13.1
Over 3 years college	10.3	10.6	7.9	9.8	14.9	19.6	9.7
Prenatal Care Began, Percent							
3rd Trimester or none	2.2	3.0	4.7	4.4	2.6	7.6	1.0
Prenatal Care Visits							
Median	10.7	10.2	11.4	10.1	10.7	9.6	11.8
Congenital Anomalies, Percent	1.0	1.9	.5	1.3	1.2	2.2	.5
High Risk, Percent	16.8	18.2	13.7	22.7	18.2	13.0	10.2
Birth Injuries, Percent	4.8	7.1	3.2	6.7	7.1	1.1	3.4
Infant Deaths							
Total	5	5	2	-	7	-	1
White	5	5	2	-	7	-	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Neonatal Deaths							
Total	2	4	1	-	7	-	1
White	2	4	1	-	7	-	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
First Day Deaths							
Total	1	4	-	-	4	-	1
White	1	4	-	-	4	-	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	-	-	1	-	1	-	-
White	-	-	1	-	1	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	1	-	-	-	2	-	-
White	1	-	-	-	2	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	4	4	1	1	3	3	4
White	4	4	1	1	1	3	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	1
Perinatal Rate	14.4	12.6	10.5	4.4	16.5	32.6	24.3
Maternal Deaths	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

	Lac Qui Parle	Lake	Lake of the Woods	LeSueur	Lin-coln	Lyon	Mc-Leod	Mahnomen
Live Births	133	149	54	419	106	403	494	97
Fertility Rate	70.0	56.4	69.1	84.7	72.5	68.9	75.9	89.2
Birth Rate	12.8	11.7	13.8	17.8	13.3	15.6	16.5	17.1
Sex: Male	68	72	30	214	53	192	253	53
Female	65	77	24	205	53	211	241	44
Out-of-Wedlock, Percent	6.0	10.7	13.0	7.9	10.4	8.4	7.9	23.7
Race: White	133	146	53	417	105	400	490	57
Black	-	-	-	1	-	-	-	-
Indian	-	3	-	-	1	2	1	40
Live Birth Order								
Median	2.5	2.3	2.2	2.5	2.5	2.4	2.4	2.8
% 5th or over	2.3	3.4	5.6	5.5	6.6	2.5	4.7	8.2
Prematurity, Percent								
Less than 37 weeks	9.0	6.7	7.4	5.0	6.6	5.5	7.5	8.2
Less than 2,500 grams	9.0	6.0	1.9	5.0	1.9	4.2	5.3	4.1
Plurality:								
Single	133	141	54	411	104	388	477	91
Twin	-	8	-	8	2	15	14	6
Triplet	-	-	-	-	-	-	3	-
Mother's Age, Percent								
Under 18	.8	4.0	3.7	2.4	4.7	.5	2.8	2.1
18-19	6.0	7.4	9.3	5.7	8.5	6.0	4.5	11.3
40 and over	3.8	.7	-	1.0	2.8	.7	.2	1.0
Mother's Education, Percent								
Less than 12 years	4.5	12.1	13.0	8.1	6.6	9.2	6.5	17.5
Over 3 years college	15.8	9.4	7.4	14.3	11.3	15.1	13.2	11.3
Prenatal Care Began, Percent								
3rd Trimester or none	2.3	4.0	3.7	1.9	4.7	5.2	.8	3.1
Prenatal Care Visits								
Median	10.3	10.8	8.8	11.4	10.4	10.8	11.9	10.7
Congenital Anomalies, Percent	1.5	2.7	1.9	1.9	-	2.7	1.8	2.1
High Risk, Percent	23.3	24.8	11.1	18.6	22.6	18.9	16.4	16.5
Birth Injuries, Percent	12.0	7.4	-	6.0	11.3	4.5	4.0	1.0
Infant Deaths								
Total	1	-	-	2	-	2	6	2
White	1	-	-	2	-	2	6	2
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	1	-	-	2	-	2	5	1
White	1	-	-	2	-	2	5	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	1	-	-	1	-	2	4	1
White	1	-	-	1	-	2	4	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	-	-	-	-	-	1	-
White	-	-	-	-	-	-	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	-	1	-	-	-	-
White	-	-	-	1	-	-	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	-	-	-	1	2	2	4	-
White	-	-	-	1	2	1	4	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Perinatal Rate	7.5	-	-	7.2	18.9	9.9	18.2	10.3
Maternal Deaths	-	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

	Marshall	Martin	Meeker	Mille Lacs	Morrison	Mower	Murray
Live Births	179	391	345	314	548	554	162
Fertility Rate	70.2	77.9	83.1	82.9	87.0	69.4	73.4
Birth Rate	14.0	15.8	16.5	17.1	18.2	13.9	14.2
Sex: Male	90	215	173	152	295	275	78
Female	89	176	172	162	253	279	84
Out-of-Wedlock, Percent	7.8	7.9	7.0	14.3	10.6	11.4	4.3
Race: White	176	387	343	286	546	542	161
Black	1	-	-	-	-	1	-
Indian	2	-	1	28	1	1	-
Live Birth Order							
Median	2.5	2.6	2.5	2.5	2.6	2.4	2.6
% 5th or over	4.5	2.6	4.1	4.8	7.7	2.7	6.2
Prematurity, Percent							
Less than 37 weeks	6.7	5.4	9.6	7.0	4.6	5.4	3.7
Less than 2,500 grams	3.4	2.6	6.1	7.0	4.7	3.8	2.5
Plurality:							
Single	177	385	341	297	532	548	158
Twin	2	6	4	17	16	6	4
Triplet	-	-	-	-	-	-	-
Mother's Age, Percent							
Under 18	5.0	3.1	2.0	2.9	4.6	2.5	1.2
18-19	5.0	4.6	7.0	8.3	7.7	8.5	3.7
40 and over	.6	.5	.9	.3	1.3	.5	-
Mother's Education, Percent							
Less than 12 years	11.7	8.7	11.0	16.9	11.7	7.9	4.9
Over 3 years college	19.0	13.0	9.9	9.2	10.4	10.1	10.5
Prenatal Care Began, Percent							
3rd Trimester or none	3.9	1.8	5.8	2.2	2.2	4.7	.6
Prenatal Care Visits							
Median	10.2	11.3	9.7	10.2	10.5	9.5	10.8
Congenital Anomalies, Percent	.6	1.3	3.2	2.2	1.8	2.0	.6
High Risk, Percent	15.1	11.5	18.3	19.4	15.3	19.3	8.6
Birth Injuries, Percent	2.8	4.3	5.5	8.6	3.3	6.5	3.7
Infant Deaths							
Total	1	3	2	7	4	4	-
White	1	3	2	6	4	4	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-
Neonatal Deaths							
Total	1	2	1	5	1	3	-
White	1	2	1	4	1	3	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-
First Day Deaths							
Total	1	1	1	3	1	3	-
White	1	1	1	2	1	3	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-
1-6 Day Deaths							
Total	-	1	-	1	-	-	-
White	-	1	-	1	-	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	-	-	-	1	-	-	-
White	-	-	-	1	-	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	5	6	4	3	3	3	1
White	5	6	4	3	3	3	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	33.5	20.5	14.5	25.5	7.3	10.8	6.2
Maternal Deaths	-	-	-	-	-	-	-

Table 6

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

	Nicollet	Nobles	Norman	Olmsted	Otter Tail	Penn-ington	Pine
Live Births	370	320	106	1,750	771	226	340
Fertility Rate	52.4	70.9	62.7	69.4	71.7	71.0	84.0
Birth Rate	13.2	14.6	11.1	18.3	14.1	16.1	16.5
Sex: Male	187	163	60	897	385	113	185
Female	183	157	46	853	386	113	155
Out-of-Wedlock, Percent	6.5	8.1	4.7	8.5	7.0	10.6	13.2
Race: White	368	314	106	1,677	758	222	334
Black	-	-	-	13	-	-	[illegible]
Indian	-	-	-	6	7	2	4
Live Birth Order							
Median	2.4	2.4	2.7	2.2	2.5	2.4	2.5
% 5th or over	4.6	3.8	7.5	3.0	4.5	2.2	4.1
Prematurity, Percent							
Less than 37 weeks	5.1	6.6	5.7	7.7	5.6	7.1	5.0
Less than 2,500 grams	4.6	4.7	2.8	5.9	4.0	5.8	2.9
Plurality:							
Single	364	316	104	1,712	753	218	336
Twin	6	4	2	38	18	8	4
Triplet	-	-	-	-	-	-	-
Mother's Age, Percent							
Under 18	1.6	2.5	4.7	1.1	1.7	1.8	3.2
18-19	5.4	5.0	2.8	3.1	5.7	4.9	5.3
40 and over	1.1	.6	-	.9	.8	.9	.9
Mother's Education, Percent							
Less than 12 years	5.4	7.5	10.4	5.4	7.4	8.0	16.2
Over 3 years college	18.4	14.7	17.0	25.7	17.9	11.5	10.0
Prenatal Care Began, Percent							
3rd Trimester or none	.5	2.2	2.8	2.5	2.1	8.0	2.9
Prenatal Care Visits							
Median	11.6	11.3	10.9	11.2	11.6	10.2	10.1
Congenital Anomalies, Percent	.8	.9	.9	.9	1.4	.4	1.5
High Risk, Percent	13.8	14.4	11.3	26.2	20.4	17.3	17.4
Birth Injuries, Percent	3.0	1.9	.9	4.8	8.4	4.0	4.4
Infant Deaths							
Total	4	5	-	17	4	-	-
White	4	5	-	16	4	-	-
Black	-	-	-	1	-	-	-
Indian	-	-	-	-	-	-	-
Neonatal Deaths							
Total	4	2	-	12	4	-	-
White	4	2	-	11	4	-	-
Black	-	-	-	1	-	-	-
Indian	-	-	-	-	-	-	-
First Day Deaths							
Total	4	1	-	11	3	-	-
White	4	1	-	10	3	-	-
Black	-	-	-	1	-	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	-	1	-	-	1	-	-
White	-	1	-	-	1	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	-	-	-	1	-	-	-
White	-	-	-	1	-	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	2	4	-	7	8	-	1
White	2	3	-	7	6	-	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	16.2	18.8	-	10.9	15.6	-	2.9
Maternal Deaths	-	1	-	-	-	-	-

Table 6

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

	Pipe-stone	Polk	Pope	Ramsey	St. Paul	Red Lake	Redwood	Renville
Live Births	182	550	200	7,710	4,954	88	324	340
Fertility Rate	82.5	74.9	93.4	67.3	75.7	83.7	87.1	89.7
Birth Rate	16.0	15.9	16.9	16.9	18.4	16.5	17.2	17.3
Sex: Male	81	270	106	3,894	2,511	46	165	163
Female	101	280	94	3,816	2,443	42	159	177
Out-of-Wedlock, Percent	7.7	12.2	6.0	16.6	20.8	10.2	8.6	7.1
Race: White	178	538	200	6,533	3,949	88	318	339
Black	-	4	-	401	365	-	-	-
Indian	2	6	-	89	78	-	6	1
Live Birth Order								
Median	2.4	2.4	2.6	2.2	2.3	2.7	2.4	2.4
% 5th or over	3.3	4.0	5.5	4.3	5.7	6.8	5.2	2.4
Prematurity, Percent								
Less than 37 weeks	9.9	5.3	6.0	7.6	8.6	5.7	8.3	5.6
Less than 2,500 grams	7.1	5.3	4.5	6.0	6.3	3.4	4.3	4.1
Plurality:								
Single	176	542	196	7,563	4,861	88	320	330
Twin	6	8	4	145	93	-	4	10
Triplet	-	-	-	2	-	-	-	-
Mother's Age, Percent								
Under 18	1.1	2.4	2.5	3.1	4.0	-	1.2	1.5
18-19	12.1	7.8	5.0	5.5	6.7	6.8	7.4	4.7
40 and over	.5	.7	.5	.8	.8	-	.9	1.2
Mother's Education, Percent								
Less than 12 years	8.8	8.9	7.0	11.6	15.6	6.8	5.2	5.6
Over 3 years college	9.9	11.5	8.0	23.6	21.9	9.1	13.0	11.8
Prenatal Care Began, Percent								
3rd Trimester or none	2.7	2.2	3.5	4.9	6.3	3.4	1.9	2.6
Prenatal Care Visits								
Median	11.4	10.5	11.2	10.7	10.5	10.3	10.9	11.0
Congenital Anomalies, Percent	.5	1.5	2.0	1.2	1.0	2.3	1.9	1.2
High Risk, Percent	11.5	17.1	11.5	22.6	23.8	15.9	17.0	18.2
Birth Injuries, Percent	1.6	3.1	1.5	5.2	5.3	2.3	5.6	5.0
Infant Deaths								
Total	3	6	2	97	48	-	4	1
White	3	6	2	82	34	-	4	1
Black	-	-	-	12	12	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	3	4	1	56	29	-	4	1
White	3	4	1	48	22	-	4	1
Black	-	-	-	6	6	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	3	3	1	34	18	-	2	-
White	3	3	1	30	15	-	2	-
Black	-	-	-	3	3	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	1	-	14	8	-	1	1
White	-	1	-	12	6	-	1	1
Black	-	-	-	2	2	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	-	8	3	-	1	-
White	-	-	-	6	1	-	1	-
Black	-	-	-	1	1	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	2	12	3	59	38	-	1	2
White	2	12	3	50	30	-	1	2
Black	-	-	-	4	4	-	-	-
Indian	-	-	-	-	-	-	-	-
Perinatal Rate	27.5	29.1	20.0	14.9	13.5	-	15.4	8.8
Maternal Deaths	-	-	-	1	1	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

	Rice	Rock	Roseau	St. Louis	Duluth	Scott	Sher-burne	Sibley
Live Births	700	160	198	2,835	1,275	793	539	217
Fertility Rate	59.7	75.8	76.2	58.4	61.2	65.1	67.8	71.2
Birth Rate	14.9	14.9	15.4	13.3	14.6	16.2	16.2	13.8
Sex: Male	358	81	76	1,465	651	384	283	110
Female	342	79	122	1,370	624	409	256	107
Out-of-Wedlock, Percent	12.4	4.4	7.1	14.4	18.1	10.1	8.0	3.7
Race: White	689	159	193	2,709	1,198	772	491	217
Black	-	-	-	12	12	2	-	-
Indian	-	1	3	87	47	9	3	-
Live Birth Order								
Median	2.4	2.5	2.5	2.3	2.2	2.3	2.5	2.4
% 5th or over	3.3	3.1	3.5	2.8	2.4	3.2	4.5	7.4
Prematurity, Percent								
Less than 37 weeks	6.6	5.6	6.6	7.4	7.3	5.7	6.5	6.0
Less than 2,500 grams	5.7	7.5	5.6	5.3	5.3	3.7	5.6	4.6
Plurality:								
Single	677	151	192	2,769	1,248	769	529	209
Twin	23	9	6	63	27	21	7	8
Triplet	-	-	-	3	-	3	3	-
Mother's Age, Percent								
Under 18	1.9	.6	2.5	2.2	2.4	1.5	2.4	2.3
18-19	6.4	7.5	4.5	6.3	6.9	6.2	5.9	4.1
40 and over	.3	.6	.5	.7	.8	1.0	.9	.5
Mother's Education, Percent								
Less than 12 years	9.7	3.1	12.1	10.4	10.6	7.7	9.3	4.1
Over 3 years college	17.1	12.5	10.6	17.0	19.8	16.0	10.4	8.3
Prenatal Care Began, Percent								
3rd Trimester or none	3.6	1.3	4.0	3.0	3.3	3.2	1.3	-
Prenatal Care Visits								
Median	11.4	11.9	9.8	10.7	10.5	11.7	11.3	11.5
Congenital Anomalies, Percent	1.9	1.3	4.0	1.4	1.5	1.4	1.5	1.8
High Risk, Percent	19.3	18.8	20.7	17.9	17.7	16.3	15.2	13.4
Birth Injuries, Percent	4.1	3.1	3.5	4.8	5.1	3.8	3.3	3.2
Infant Deaths								
Total	5	1	3	18	7	6	7	2
White	5	1	3	16	7	6	7	2
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	2	-	-	-	-
Neonatal Deaths								
Total	2	-	2	15	7	5	4	-
White	2	-	2	13	7	5	4	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	2	-	-	-	-
First Day Deaths								
Total	-	-	1	10	5	3	4	-
White	-	-	1	8	5	3	4	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	2	-	-	-	-
1-6 Day Deaths								
Total	1	-	1	3	2	1	-	-
White	1	-	1	3	2	1	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	1	-	-	2	-	1	-	-
White	1	-	-	2	-	1	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	6	2	1	14	9	2	2	1
White	5	2	1	14	9	2	2	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Perinatal Rate	11.4	12.5	15.2	10.2	12.5	8.8	11.1	4.6
Maternal Deaths	-	-	-	-	-	-	-	-

Table 6
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

	Stearns	Steele	Stevens	Swift	Todd	Traverse	Wabasha
Live Births	1,952	500	140	174	431	83	332
Fertility Rate	67.2	71.6	55.3	70.7	83.4	85.7	82.5
Birth Rate	17.2	16.4	12.5	13.6	16.6	15.4	17.3
Sex: Male	1,014	261	76	78	199	41	177
Female	938	239	64	96	232	42	155
Out-of-Wedlock, Percent	10.3	8.0	7.9	9.2	10.7	13.3	7.8
Race: White	1,925	493	137	172	429	80	331
Black	8	1	2	-	-	-	-
Indian	5	2	1	-	-	3	1
Live Birth Order							
Median	2.5	2.4	2.5	2.5	2.6	2.5	2.3
% 5th or over	6.8	2.2	.7	4.0	10.2	2.4	3.6
Prematurity, Percent							
Less than 37 weeks	7.0	5.6	1.4	5.7	5.8	9.6	6.9
Less than 2,500 grams	4.4	4.6	4.3	6.9	6.0	3.6	6.9
Plurality:							
Single	1,912	492	138	168	425	83	322
Twin	40	8	2	6	6	-	10
Triplet	-	-	-	-	-	-	-
Mother's Age, Percent							
Under 18	1.9	1.2	1.4	2.3	1.6	4.8	2.1
18-19	6.1	4.8	3.6	6.9	10.7	8.4	6.9
40 and over	1.1	.4	-	.6	1.4	1.2	.6
Mother's Education, Percent							
Less than 12 years	6.4	6.6	.7	6.3	7.4	9.6	11.4
Over 3 years college	14.1	13.4	6.4	9.2	7.9	13.3	13.0
Prenatal Care Began, Percent							
3rd Trimester or none	2.6	2.4	.7	2.9	3.9	6.0	2.4
Prenatal Care Visits							
Median	10.7	10.7	10.2	10.7	10.4	10.8	10.6
Congenital Anomalies, Percent	1.0	1.4	1.4	1.7	1.9	1.2	1.8
High Risk, Percent	16.6	15.4	15.7	16.1	23.9	15.7	22.3
Birth Injuries, Percent	3.7	5.8	7.1	2.9	8.8	3.6	4.8
Infant Deaths							
Total	25	6	-	3	4	-	3
White	25	6	-	3	4	-	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Neonatal Deaths							
Total	16	5	-	3	2	-	3
White	16	5	-	3	2	-	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
First Day Deaths							
Total	10	3	-	3	-	-	2
White	10	3	-	3	-	-	2
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	3	2	-	-	2	-	1
White	3	2	-	-	2	-	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	3	-	-	-	-	-	-
White	3	-	-	-	-	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	15	7	-	1	3	-	1
White	15	6	-	1	3	-	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	15.9	24.0	-	23.0	11.6	-	12.0
Maternal Deaths	-	-	-	-	-	-	-

Table 6

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

	Wadena	Waseca	Wash-ington	Watonwan	Wilkin	Winona	Wright	Yellow Medicine
Live Births	213	301	1,852	199	106	702	1,156	230
Fertility Rate	74.7	74.9	60.9	86.7	64.9	58.9	80.4	92.2
Birth Rate	15.2	16.1	15.4	16.5	12.7	15.1	18.6	17.6
Sex: Male	113	159	969	108	60	364	609	113
Female	100	142	883	91	46	338	547	117
Out-of-Wedlock, Percent	12.2	11.6	9.4	11.6	8.5	12.3	9.2	10.0
Race: White	212	299	1,819	197	102	684	1,078	224
Black	-	-	12	-	-	2	2	1
Indian	-	-	5	1	4	2	3	5
Live Birth Order								
Median	2.4	2.5	2.4	2.5	2.5	2.3	2.5	2.6
% 5th or over	8.0	6.0	2.4	5.5	3.8	4.0	5.1	3.5
Prematurity, Percent								
Less than 37 weeks	3.8	7.3	6.1	7.0	8.5	7.3	6.1	5.7
Less than 2,500 grams	2.8	5.3	4.6	6.0	1.9	4.8	4.0	4.3
Plurality:								
Single	212	295	1,820	197	106	683	1,134	226
Twin	1	6	32	2	-	16	22	4
Triplet	-	-	-	-	-	3	-	-
Mother's Age, Percent								
Under 18	4.2	3.0	1.8	4.0	1.9	1.7	2.7	1.7
18-19	12.2	7.6	4.9	5.5	3.8	6.8	6.7	5.7
40 and over	.9	.7	.9	1.0	.9	1.3	.8	1.7
Mother's Education, Percent								
Less than 12 years	10.3	9.3	6.0	14.6	7.5	9.0	7.7	6.1
Over 3 years college	10.3	13.6	20.6	12.6	13.2	19.7	8.4	7.8
Prenatal Care Began, Percent								
3rd Trimester or none	2.8	3.0	2.3	4.5	3.8	4.1	1.4	3.5
Prenatal Care Visits								
Median	10.0	10.5	10.5	10.6	12.0	11.2	10.3	10.4
Congenital Anomalies, Percent	.9	1.7	1.3	1.5	3.8	1.4	1.4	2.6
High Risk, Percent	20.7	15.0	18.6	14.1	24.5	16.8	13.3	18.7
Birth Injuries, Percent	6.1	3.7	4.3	3.0	5.7	6.0	3.7	6.1
Infant Deaths								
Total	2	7	13	2	2	6	10	4
White	2	7	12	1	2	6	10	4
Black	-	-	1	-	-	-	-	-
Indian	-	-	-	1	-	-	-	-
Neonatal Deaths								
Total	1	4	8	1	2	1	6	3
White	1	4	8	-	2	1	6	3
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-	-
First Day Deaths								
Total	-	3	3	1	2	1	1	3
White	-	3	3	-	2	1	1	3
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-	-
1-6 Day Deaths								
Total	1	1	3	-	-	-	2	-
White	1	1	3	-	-	-	2	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	2	-	-	-	3	-
White	-	-	2	-	-	-	3	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	2	3	16	1	1	1	11	-
White	2	3	15	1	1	1	9	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Perinatal Rate	14.1	23.3	13.0	10.1	28.3	2.8	14.7	13.0
Maternal Deaths	-	-	-	-	-	-	-	-

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* As of the 1980 Census

** Includes unknown county of residence

*** Includes unknown county of residence and unknown sex

**** Includes unknown sex

Table 7
LIVE BIRTH WEIGHT BY LIVE BIRTH ORDER AND SEX
MINNESOTA RESIDENTS, 1983

		Weight in Grams									
Live Birth Order	Total Births	999 or Less	1,000 to 1,499	1,500 to 1,999	2,000 to 2,499	2,500 to 2,999	3,000 to 3,499	3,500 to 3,999	4,000 to 4,499	4,500 and Over	Weight Not Stated
First	25,476	138	140	261	922	3,610	9,559	8,081	2,297	450	18
Second	21,568	77	78	189	574	2,403	7,524	7,596	2,576	528	23
Third	10,701	42	42	84	345	1,210	3,410	3,714	1,472	373	9
Fourth	3,920	16	20	42	148	465	1,213	1,290	571	148	7
Fifth	1,303	6	5	19	47	161	395	427	191	51	1
Sixth	529	1	4	11	21	55	161	183	72	21	-
Seventh	223	-	3	4	9	20	70	74	33	10	-
Eight or Over	273	-	3	4	6	24	85	99	33	19	-
Not Stated	1,566	5	3	9	23	76	204	192	58	16	980
TOTAL	65,559*	285	298	623	2,095	8,024	22,621	21,656	7,303	1,616	1,038*
Male	33,567	148	137	342	955	3,482	10,524	11,812	4,537	1,110	520
Female	31,991	137	161	281	1,140	4,542	12,097	9,844	2,766	506	517

* Includes unknown sex

Table 8
LIVE BIRTHS BY AGE OF MOTHER AND LIVE BIRTH ORDER MINNESOTA RESIDENTS, 1983

		Age of Mother								
Live Birth Order	Total Births	Under 15 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 & Over Years	Age Not Stated
First	25,476	51	4,237	9,861	7,977	2,849	471	27	2	1
Second	21,568	2	797	6,841	8,765	4,387	726	49	1	-
Third	10,701	-	106	2,111	4,428	3,228	756	69	2	1
Fourth	3,920	-	10	425	1,460	1,431	534	56	4	-
Fifth	1,303	-	1	86	399	509	258	48	2	-
Sixth	529	-	-	10	107	194	160	54	4	-
Seventh	223	-	-	2	28	85	70	36	2	-
Eight or Over	273	-	-	4	11	67	107	70	14	-
Not Stated	1,566	-	126	504	559	292	72	10	1	2
TOTAL	65,559	53	5,277	19,844	23,734	13,042	3,154	419	32	4
Percent	100.0	0.1	8.0	30.3	36.2	19.9	4.8	0.6	0.0	0.0

Table 9
PRENATAL CARE AND RACE BY AGE OF MOTHER AND BY LEGITIMACY STATUS
MINNESOTA RESIDENTS, 1983

			Age of Mother					
	Total	Percent	Under 15	15-19	20-29	30-39	40 and Over	Unknown
Legitimate Live Births	57,247*	-	3	2,258	39,070	15,494	422	-
Prenatal Care Started								
1st Trimester	42,701	74.6	-	1,267	29,246	11,943	245	-
2nd Trimester	7,725	13.5	3	582	5,206	1,822	112	-
3rd Trimester	1,030	1.8	-	117	692	199	22	-
No Care	244	0.4	-	5	158	73	8	-
Unknown	5,547	9.7	-	287	3,768	1,457	35	-
Race								
White	53,717	93.8	1	2,019	36,755	14,570	372	-
Black	660	1.2	-	30	441	186	3	
Indian	496	0.9	-	45	365	79	7	
Out-of-Wedlock Live Births	8,312**	-	50	3,019	4,508	702	29	4
Prenatal Care Started								
1st Trimester	4,034	48.5	11	1,349	2,276	386	12	-
2nd Trimester	2,502	30.1	20	1,019	1,280	170	12	1
3rd Trimester	699	8.4	11	280	355	51	2	-
No Care	173	2.1	2	56	98	17	-	-
Unknown	904	10.9	6	315	499	78	3	3
Race								
White	6,340	76.3	22	2,401	3,370	519	24	4
Black	973	11.7	10	306	572	82	3	-
Indian	763	9.2	6	235	448	73	1	-
Legitimate Fetal Deaths	367*	-	-	21	228	109	4	5
Race								
White	318	86.6	-	16	203	94	3	2
Black	13	3.5	-	2	7	3	1	-
Indian	4	1.1	-	2	1	1	-	-
Out-of-Wedlock Fetal Deaths	90**	-	2	29	43	12	1	3
Race								
White	66	73.3	2	26	29	8	1	-
Black	10	11.1	-	1	8	1	-	-
Indian	8	8.9	-	1	4	3	-	-

* Includes deliveries of other and unknown races

** Includes unknown legitimacy status

Infant Mortality and Fetal Deaths

Table 10
INFANT, NEONATAL AND POSTNEONATAL DEATHS BY CAUSE
MINNESOTA RESIDENTS, 1983

		Neonatal				
Causes of Death	Infant Deaths	Total	Under 1 Day	1-6 Days	7-27 Days	Post-neonatal
All Causes - Total	645	410	266	90	54	235
Certain conditions originating in the perinatal period	281	264	195	47	22	17
Maternal conditions	66	65	59	5	1	1
Short gestation and low birth weight	54	53	52	-	1	1
Respiratory distress syndrome	52	49	27	15	7	3
Selected respiratory conditions of fetus and newborn	48	39	28	8	3	9
Intrauterine hypoxia and birth asphyxia	14	14	6	5	3	-
Fetal and neonatal hemorrhage	9	9	3	4	2	-
Birth trauma	3	3	1	2	-	-
Congenital anomalies	174	125	67	35	23	49
Of heart	47	29	3	14	12	18
Chromosomal anomalies	19	9	3	5	1	10
Of respiratory system	17	17	11	5	1	-
Anencephalus and similar anomalies	14	14	14	-	-	-
Of urinary system	8	8	8	-	-	-
Symptoms, signs, and ill-defined conditions	108	6	-	-	6	102
Sudden infant death syndrome	106	6	-	-	6	100
Injury and poisoning	20	4	1	3	-	16
Accidental deaths	15	1	-	1	-	14
Mechanical suffocation	4	-	-	-	-	4
Motor vehicle	3	-	-	-	-	3
Homicide	3	1	1	-	-	2
Undetermined whether accident or homicide	2	2	-	2	-	-
Diseases of the respiratory system	14	2	-	2	-	12
Pneumonia and influenza	7	2	-	2	-	5
Diseases of the nervous system and sense organs	12	1	-	-	1	11
Diseases of the circulatory system	11	4	3	1	-	7
Infective and parasitic diseases	9	1	-	-	1	8
Septicemia	2	-	-	-	-	2
Diseases of the digestive system	5	-	-	-	-	5
Endocrine, nutritional, and metabolic diseases and immunity disorders	5	3	-	2	1	2
Neoplasms	3	-	-	-	-	3
Malignant neoplasms	2	-	-	-	-	2
Diseases of the blood and blood forming organs	2	-	-	-	-	2
Diseases of the genitourinary system	1	-	-	-	-	1

Table 11
FETAL DEATHS OF 20 WEEKS AND OVER BY CAUSE AND WEIGHT OF FETUS
MINNESOTA RESIDENTS, 1983

Cause of Death	Total Fetal Deaths	Weight in Grams: 999 or Less	1,000 to 1,499	1,500 to 1,999	2,000 to 2,499	2,500 to 2,999	3,000 to 3,499	3,500 to 3,999	4,000 to 4,499	4,500 and Over	Weight Unknown
Total All Causes	457	143	29	39	35	38	39	23	4	5	102
Complications of Placenta, Cord, or Membranes	171	46	7	13	14	19	21	10	3	1	37
Congenital Anomalies	42	15	3	4	4	4	1	4	-	-	7
Anencephalus and Similar Anomalies	(10)	(4)	(1)	(2)	(1)	(-)	(-)	(-)	(-)	(-)	(2)
Hydrocephalus	(3)	(-)	(-)	(1)	(-)	(-)	(-)	(1)	(-)	(-)	(1)
Maternal Conditions Related to Pregnancy	29	18	1	-	-	-	1	-	-	-	9
Short Gestation and Low Birthweight	22	17	1	-	-	-	-	-	-	-	4
Other Diseases or Conditions Specific to the Perinatal Period	14	3	1	-	1	3	4	-	-	-	2
Maternal Conditions Unrelated to Pregnancy	12	3	1	3	-	-	-	1	-	-	4
Hypoxia and Birth Asphyxia	9	3	-	-	3	-	-	-	-	-	3
Other Diseases Not Specific to Perinatal Period	8	2	2	2	-	-	1	-	-	-	1
Complications of Labor and Delivery	6	1	-	1	-	-	-	-	-	2	2
Malpresentation of Fetus	(4)	(1)	(-)	(1)	(-)	(-)	(-)	(-)	(-)	(2)	(-)
Hemolytic Disease of Fetus	5	1	3	-	-	-	-	-	-	-	1
Syndrome of "Infant of a Diabetic Mother"	5	1	1	-	1	-	-	1	-	-	1
Slow Fetal Growth and Fetal Malnutrition	5	2	-	-	1	-	-	-	-	-	2
Ill-defined Conditions Originating in Perinatal Period	129	31	9	16	11	12	11	7	1	2	29

General Mortality

Every day in 1983, residents of Minnesota experienced an average of:

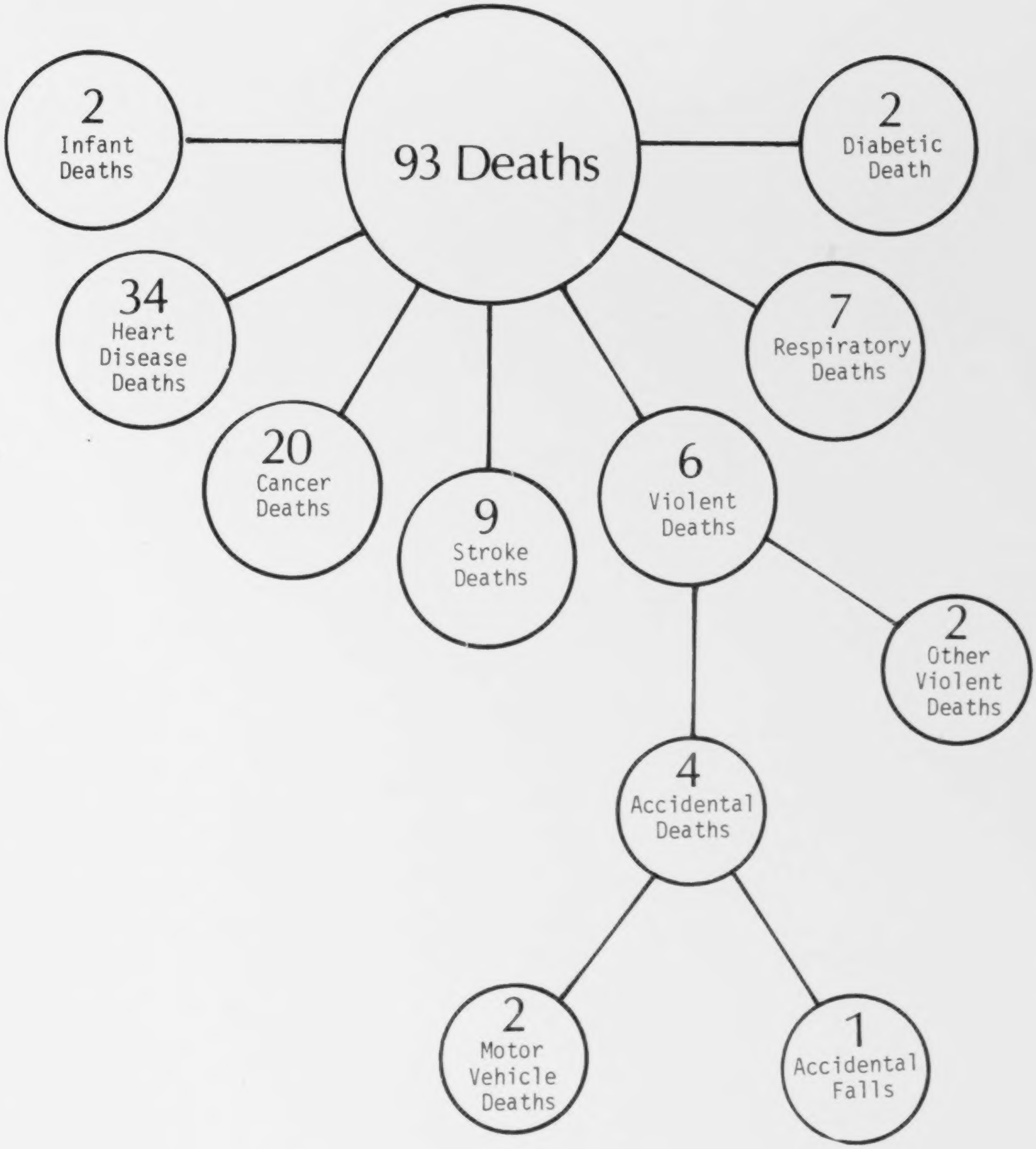

Table 12
DEATHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE: RESIDENT DEATHS DISTRIBUTED ACCORDING TO PLACE OF DEATH
MINNESOTA, 1983

	Deaths Occurring in County				Resident Deaths		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
State Total	34,333	26,398	6,171	1,764	6,171	1,333	33,902
Aitkin	139	120	18	1	63	2	185
Anoka	828	524	291	13	285	11	820
Becker	259	218	32	9	33	42	293
Beltrami	257	203	42	12	26	32	261
Benton	145	116	29	-	131	2	249
Big Stone	121	87	22	12	25	5	117
Blue Earth	531	380	146	5	61	3	444
Brown	318	251	67	-	48	1	300
Carlton	258	198	57	3	87	5	290
Carver	215	130	81	4	108	4	242
Cass	147	113	29	5	120	21	254
Chippewa	118	103	10	5	77	2	182
Chisago	191	149	38	4	64	19	232
Clay	253	207	28	18	19	135	361
Clearwater	75	65	9	1	17	9	91
Cook	35	29	2	4	10	3	42
Cottonwood	134	114	20	-	27	7	148
Crow Wing	446	360	76	10	69	14	443
Dakota	612	502	95	15	451	14	967
Dodge	59	56	3	-	92	3	151
Douglas	307	240	58	9	45	3	288
Faribault	189	165	11	13	58	7	230
Fillmore	214	170	34	10	77	26	273
Freeborn	363	304	38	21	46	12	362
Goodhue	352	282	40	30	75	5	362
Grant	75	63	11	1	33	2	98
Hennepin	8,559	6,653	1,527	379	590	123	7,366
Minneapolis	4,562	2,791	1,531	240	1,132	57	3,980
Houston	120	107	10	3	12	70	189
Hubbard	167	105	53	9	24	13	142
Isanti	167	129	37	1	53	6	188
Itasca	334	295	37	2	71	8	374
Jackson	105	96	9	-	18	21	135
Kanabec	112	80	32	-	33	2	115
Kandiyohi	394	266	122	6	60	5	331
Kittson	92	71	15	6	3	13	87
Koochiching	124	113	6	5	34	7	154
Lac Qui Parle	89	87	2	-	28	3	118
Lake	91	77	8	6	14	1	92
Lake of the Woods	36	27	8	1	1	4	32
Le Sueur	134	116	17	1	93	3	212
Lincoln	110	76	26	8	9	13	98
Lyon	196	155	39	2	43	22	220
McLeod	285	230	53	2	59	-	289
Mahnomen	43	38	5	-	14	10	62
Marshall	66	58	6	2	53	25	136
Martin	231	207	11	13	34	9	250
Meeker	207	166	40	1	60	4	230
Mille Lacs	205	144	58	3	43	4	191
Morrison	259	232	22	5	60	5	297
Mower	312	277	25	10	99	16	392

Table 12

DEATHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE: RESIDENT DEATHS DISTRIBUTED ACCORDING TO PLACE OF DEATH, MINNESOTA, 1983 (CONT.)

	Deaths Occurring in County				Resident Deaths		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
Murray	94	84	10	-	36	8	128
Nicollet	125	90	34	1	75	2	167
Nobles	189	149	28	12	25	27	201
Norman	104	99	3	2	22	21	142
Olmsted	1,513	558	484	471	33	6	597
Ottertail	499	430	51	18	86	55	571
Pennington	202	144	58	-	9	8	161
Pine	92	80	8	4	98	4	182
Pipestone	136	123	9	4	12	22	157
Polk	327	268	39	20	26	89	383
Pope	141	120	21	-	32	3	155
Ramsey	4,276	3,338	800	138	461	74	3,873
St. Paul	3,690	2,377	1,180	133	339	46	2,762
Red Lake	30	25	4	1	12	5	42
Redwood	155	134	21	-	77	3	214
Renville	145	126	19	-	62	2	190
Rice	374	321	52	1	59	-	380
Rock	91	78	7	6	7	22	107
Roseau	92	85	2	5	16	19	120
St. Louis	2,446	2,063	184	199	100	40	2,203
Duluth	1,387	943	259	185	103	25	1,071
Scott	316	214	99	3	71	1	286
Sherburne	156	118	36	2	102	4	224
Sibley	101	91	10	-	67	1	159
Stearns	888	544	332	12	108	9	661
Steele	196	165	30	1	62	3	230
Stevens	91	74	17	-	18	5	97
Swift	119	107	12	-	37	1	145
Todd	173	152	19	2	102	7	261
Traverse	67	46	8	13	17	8	71
Wabasha	157	117	18	22	55	1	173
Wadena	244	165	76	3	31	14	210
Waseca	145	130	14	1	52	2	184
Washington	374	291	65	18	269	17	577
Watonwan	122	104	16	2	39	3	146
Wilkin	154	53	2	99	5	15	73
Winona	446	384	32	30	42	45	471
Wright	321	260	59	2	163	3	426
Yellow Medicine	153	114	37	2	27	7	148
Unknown	-	-	-	-	1	1	2

Table 13
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1983 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T *	33902	645	120	64	68	222	288	265	282	282	413	560	954	1,523	2,274	3,207	3,967	4,631	5,079	9,058
		M	18,028	347	74	37	43	158	217	184	202	183	262	361	615	940	1,491	2,011	2,406	2,598	2,464	3,435
		F	15,873	297	46	27	25	64	71	81	80	99	151	199	339	583	783	1,196	1,561	2,033	2,615	5,623
000-139 I.	INFECTIOUS AND PARASITIC DISEASES	T	255	9	2	2	3	2	2	-	-	1	2	8	5	10	20	19	21	37	50	62
		M	123	6	1	1	3	2	-	-	-	-	2	6	2	5	15	11	10	15	22	22
		F	132	3	1	1	-	-	2	-	-	1	-	2	3	5	5	8	11	22	28	40
001-009	Intestinal Infectious Diseases	T	11	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	5
		M	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		F	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	4
004	Shigellosis	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
010-018, 137	Tuberculosis (Including Late Effects Of)	T	19	-	-	-	-	-	-	-	-	-	-	-	-	1	3	1	4	2	5	3
		M	12	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	2	1	2	3
		F	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	3	-
010-012	Respiratory Tuberculosis (Active)	T	8	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	-	3	1
		M	4	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	1
		F	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-
013-018	Other Tuberculosis (Active)	T	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
		M	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
137	Late Effects of Tuberculosis	T	9	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	2	1
		M	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	2	1
		F	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-
032	Diphtheria	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
033	Whooping Cough	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
034-035	Streptococcal Sore Throat, Scarlatina, and Erysipelas	T	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		M	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
036	Meningococcal Infection	T	6	2	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	1	-	-
		M	3	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
		F	3	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	-	-
037	Tetanus	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
038	Septicemia	T	134	2	1	-	-	-	1	-	-	-	-	2	1	3	8	7	9	26	34	40
		M	57	1	-	-	-	-	-	-	-	-	-	2	1	2	6	4	4	10	14	13
		F	77	1	1	-	-	-	1	-	-	-	-	-	-	1	2	3	5	16	20	27
045	Acute Poliomyelitis	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
055	Measles	T	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
062-064	Viral Encephalitis (Acute)	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
070	Viral Hepatitis	T	9	-	-	1	-	1	-	-	-	-	-	2	-	1	2	1	-	-	1	-
		M	4	-	-	-	-	1	-	-	-	-	-	1	-	-	1	1	-	-	-	-
		F	5	-	-	1	-	-	-	-	-	-	-	1	-	1	1	-	-	-	1	-
090-097	Syphilis	T	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1
		M	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residual	Other Infectious and Parasitic Diseases	T	71	2	1	-	3	1	-	-	-	1	2	4	4	4	5	10	6	8	8	12
		M	39	1	1	-	3	1	-	-	-	-	2	3	1	2	3	6	3	4	6	3
		F	32	1	-	-	-	-	-	-	-	1	-	1	3	2	2	4	3	4	2	9

Table 13
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1983 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T *	33902	645	120	64	68	222	288	265	282	282	413	560	954	1,523	2,274	3,207	3,967	4,631	5,079	9,058
		M	18,028	347	74	37	43	158	217	184	202	183	262	361	615	940	1,491	2,011	2,406	2,598	2,464	3,435
		F	15,873	297	46	27	25	64	71	81	80	99	151	199	339	583	783	1,196	1,561	2,033	2,615	5,623
140-239	II. NEOPLASMS	T	7,399	3	14	14	10	20	29	37	45	69	120	186	309	582	778	1,046	1,109	1,057	923	1,048
		M	3,893	3	11	12	6	9	18	19	26	27	55	89	145	280	441	577	607	608	471	489
		F	3,506	-	3	2	4	11	11	18	19	42	65	97	164	302	337	469	502	449	452	559
140-208	Malignant Neoplasms	T	7,293	2	14	14	9	20	28	36	44	69	117	184	307	576	772	1,037	1,096	1,042	904	1,022
		M	3,845	2	11	12	5	9	17	19	25	27	53	88	143	277	438	572	602	601	461	483
		F	3,448	-	3	2	4	11	11	17	19	42	64	96	164	299	334	465	494	441	443	539
140-149	Of Lip, Oral Cavity and Pharynx	T	100	-	-	-	1	-	-	-	-	2	1	-	7	10	12	19	13	12	8	15
		M	72	-	-	-	1	-	-	-	-	2	1	-	4	8	10	16	7	7	6	10
		F	28	-	-	-	-	-	-	-	-	-	-	-	3	2	2	3	6	5	2	5
150-159	Of Digestive Organs and Peritoneum	T	1,994	-	1	-	-	1	2	3	7	11	19	42	60	116	209	281	288	305	301	348
		M	1,043	-	1	-	-	-	1	3	4	4	13	24	32	64	142	158	160	164	135	138
		F	951	-	-	-	-	1	1	-	3	7	6	18	28	52	67	123	128	141	166	210
150	Of Esophagus	T	104	-	-	-	-	-	-	-	-	-	-	-	4	6	13	20	19	17	17	8
		M	73	-	-	-	-	-	-	-	-	-	-	-	4	3	12	17	14	10	11	2
		F	31	-	-	-	-	-	-	-	-	-	-	-	-	3	1	3	5	7	6	6
151	Of Stomach	T	263	-	-	-	-	-	-	1	1	-	3	9	8	15	31	30	31	49	38	47
		M	169	-	-	-	-	-	-	1	1	-	3	7	5	12	25	18	21	34	20	22
		F	94	-	-	-	-	-	-	-	-	-	-	2	3	3	6	12	10	15	18	25
152	Of Small Intestine, Including Duodenum	T	24	-	-	-	-	-	-	-	1	-	1	-	2	-	5	2	4	2	5	2
		M	13	-	-	-	-	-	-	-	1	-	1	-	-	-	3	1	2	-	4	1
		F	11	-	-	-	-	-	-	-	-	-	-	-	2	-	2	1	2	2	1	1
153	Of Colon	T	843	-	-	-	-	1	1	1	3	5	7	17	25	55	84	116	112	132	132	152
		M	418	-	-	-	-	-	-	1	1	3	5	8	13	29	47	64	59	74	58	56
		F	425	-	-	-	-	1	1	-	2	2	2	9	12	26	37	52	53	58	74	96
154	Of Rectum, Rectosigmoid Junction and Anus	T	160	-	-	-	-	-	-	-	-	-	1	3	-	10	12	24	23	22	24	41
		M	89	-	-	-	-	-	-	-	-	-	1	3	-	7	9	17	13	8	12	19
		F	71	-	-	-	-	-	-	-	-	-	-	-	-	3	3	7	10	14	12	22
160-165	Of Respiratory System	T	1,648	-	-	-	-	1	1	1	2	7	22	36	100	182	239	302	283	244	138	90
		M	1,138	-	-	-	-	1	1	-	1	6	15	26	61	112	162	218	204	174	101	56
		F	510	-	-	-	-	-	-	1	1	1	7	10	39	70	77	84	79	70	37	34
162	Of Trachea, Bronchus and Lung	T	1,580	-	-	-	-	-	1	1	1	7	21	36	98	177	230	280	269	237	137	85
		M	1,084	-	-	-	-	-	1	-	-	6	14	26	59	108	153	201	193	169	101	53
		F	496	-	-	-	-	-	-	1	1	1	7	10	39	69	77	79	76	68	36	32
170-175	Of Bone, Connective Tissue, Skin and Breast	T	833	-	-	1	2	3	5	12	14	16	33	38	59	85	89	112	107	71	82	104
		M	87	-	-	1	-	1	3	4	5	1	3	4	6	11	11	9	11	4	5	8
		F	746	-	-	-	2	2	2	8	9	15	30	34	53	74	78	103	96	67	77	96
172-173	Of Skin	T	88	-	-	-	-	-	1	5	6	1	4	1	8	11	10	11	7	5	6	12
		M	54	-	-	-	-	-	-	2	4	1	3	1	4	10	7	7	5	2	3	5
		F	34	-	-	-	-	-	1	3	2	-	1	-	4	1	3	4	2	3	3	7
174-175	Of Breast	T	682	-	-	-	-	-	-	4	7	14	29	33	49	70	72	94	92	61	71	86
		M	6	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	2	1	-	-
		F	676	-	-	-	-	-	-	4	7	14	29	33	49	69	70	94	90	60	71	86
179-189	Of Genitourinary Organs	T	1,270	-	1	1	-	2	1	7	4	11	17	25	33	71	95	154	207	190	197	254
		M	761	-	-	-	-	1	-	3	1	2	7	9	13	26	46	82	122	132	135	182
		F	509	-	1	1	-	1	1	4	3	9	10	16	20	45	49	72	85	58	62	72
179-182	Of Uterus, Cervix and Placenta	T	159	-	-	-	-	-	-	2	2	4	7	3	3	14	17	22	25	19	17	24
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	159	-	-	-	-	-	-	2	2	4	7	3	3	14	17	22	25	19	17	24
185	Of Prostate	T	517	-	-	-	-	-	-	-	-	-	-	-	2	5	24	56	86	100	100	144
		M	517	-	-	-	-	-	-	-	-	-	-	-	2	5	24	56	86	100	100	144
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
190-199	Of Other and Unspecified Sites	T	666	1	7	2	2	2	8	5	10	8	12	23	22	60	70	92	65	99	88	90
		M	328	1	6	2	2	1	4	3	9	3	6	13	14	28	37	48	33	51	37	30
		F	338	-	1	-	-	1	4	2	1	5	6	10	8	32	33	44	32	48	51	60
191-192	Of Brain and Other Parts of Central Nervous System	T	215	1	4	2	1	1	5	4	6	6	9	8	10	25	24	34	19	33	18	5
		M	111	1	3	2	1	-	2	2	6	2	5	6	7	10	12	17	10	17	6	2
		F	104	-	1	-	-	1	3	2	-	4	4	2	3	15	12	17	9	16	12	3
200-208	Of Lymphatic and Hematopoietic Tissue	T	782	1	5	10	4	11	11	8	7	14	13	20	26	52	58	77	133	121	90	121
		M	416	1	4	9	2	5	8	6	5	9	8	12	13	28	30	41	65	69	42	59
		F	366	-	1	1	2	6	3	2	2	5	5	8	13	24	28	36	68	52	48	62
201	Hodgkin's Disease	T	33	-	-	-	-	1	3	4	1	1	-	1	1	4	2	4	7	1	1	2
		M	17	-	-	-	-	1	2	2	-	1	-	1	-	3	-	1	4	1	-	1
		F	16	-	-	-	-	-	1	2	1	-	-	-	1	1	2	3	3	-	1	1
204-208	Leukemia	T	342	1	5	8	3	7	6	2	5	10	9	7	8	21	22	37	43	56	36	56
		M	187	1	4	7	1	4	5	2	5	7	5	4	5	8	13	18	18	35	16	29
		F	155	-	1	1	2	3	1	-	-	3	4	3	3	13	9	19	25	21	20	27

Table 13
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1983 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T *	33902	645	120	64	68	222	288	265	282	282	413	560	954	1,523	2,274	3,207	3,967	4,631	5,079	9,058
		M	18,028	347	74	37	43	158	217	184	202	183	262	361	615	940	1,491	2,011	2,406	2,598	2,464	3,435
		F	15,873	297	46	27	25	64	71	81	80	99	151	199	339	583	783	1,196	1,561	2,033	2,615	5,623
210-239	Benign Neoplasms and Neoplasms of Uncertain Behavior	T	106	1	-	-	1	-	1	1	1	-	3	2	2	6	6	9	13	15	19	26
		M	48	1	-	-	1	-	1	-	1	-	2	1	2	3	3	5	5	7	10	6
		F	58	-	-	-	-	-	-	1	-	-	1	1	-	3	3	4	8	8	9	20
240-279	III. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES AND IMMUNITY DISORDERS	T	803	5	1	3	2	2	4	6	12	12	9	13	26	41	55	93	98	106	128	187
		M	362	2	1	-	1	2	3	3	8	8	5	8	12	26	32	49	40	43	57	62
		F	441	3	-	3	1	-	1	3	4	4	4	5	14	15	23	44	58	63	71	125
250	Diabetes Mellitus	T	575	-	-	-	-	1	1	4	10	9	3	13	22	33	44	79	84	77	95	100
		M	270	-	-	-	-	1	1	2	6	6	2	8	10	21	26	41	34	34	43	35
		F	305	-	-	-	-	-	-	2	4	3	1	5	12	12	18	38	50	43	52	65
260-269	Nutritional Deficiencies	T	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	3	16	41
		M	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	5	17
		F	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	11	24
Residual	(240-249, 251-259, 270-279)	T	164	5	1	3	2	1	3	2	2	3	6	-	4	8	11	13	11	26	17	46
		M	65	2	1	-	1	1	2	1	2	2	3	-	2	5	6	7	5	6	9	10
		F	99	3	-	3	1	-	1	1	-	1	3	-	2	3	5	6	6	20	8	36
280-289	IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	T	112	2	-	-	-	-	-	2	2	-	2	1	1	3	6	11	10	23	20	29
		M	43	1	-	-	-	-	-	1	1	-	1	1	1	1	2	7	3	11	10	3
		F	69	1	-	-	-	-	-	1	1	-	1	-	-	2	4	4	7	12	10	26
280-285	Anemias	T	55	1	-	-	-	-	-	1	2	-	-	-	-	-	2	4	2	10	10	23
		M	17	1	-	-	-	-	-	-	1	-	-	-	-	-	-	3	1	4	5	2
		F	38	-	-	-	-	-	-	1	1	-	-	-	-	-	2	1	1	6	5	21
Residual	(286-289)	T	57	1	-	-	-	-	-	1	-	-	2	1	1	3	4	7	8	13	10	6
		M	26	-	-	-	-	-	-	1	-	-	1	1	1	1	2	4	2	7	5	1
		F	31	1	-	-	-	-	-	-	-	-	1	-	-	2	2	3	6	6	5	5
290-319	V. MENTAL DISORDERS	T	263	-	-	1	1	1	4	-	3	6	6	4	5	8	15	16	11	26	38	118
		M	122	-	-	-	1	-	4	-	3	3	3	3	4	4	10	12	8	15	18	34
		F	141	-	-	1	-	1	-	-	-	3	3	1	1	4	5	4	3	11	20	84
320-389	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	T	481	12	9	1	5	6	10	1	3	3	5	7	16	23	34	57	54	80	65	90
		M	257	8	5	1	4	5	7	-	1	2	4	3	8	10	22	28	33	46	35	35
		F	224	4	4	-	1	1	3	1	2	1	1	4	8	13	12	29	21	34	30	55
320-322	Meningitis (Excludes Infective Meningitis)	T	17	2	4	-	-	1	-	-	-	-	-	-	-	1	5	1	-	1	2	-
		M	11	2	3	-	-	1	-	-	-	-	-	-	-	-	4	1	-	-	-	-
		F	6	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	2	-
332	Parkinson's Disease	T	123	-	-	-	-	-	-	-	-	-	-	-	-	1	3	9	13	28	29	40
		M	68	-	-	-	-	-	-	-	-	-	-	-	-	1	2	7	10	17	15	16
		F	55	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	11	14	24
340	Multiple Sclerosis	T	32	-	-	-	-	-	-	-	-	3	1	3	3	4	4	5	3	3	2	1
		M	13	-	-	-	-	-	-	-	-	2	-	1	1	1	2	2	-	2	1	1
		F	19	-	-	-	-	-	-	-	-	1	1	2	2	3	2	3	3	1	1	-
Residual	(323-331, 333-339, 341-389)	T	309	10	5	1	5	5	10	1	3	-	4	4	13	17	22	42	38	48	32	49
		M	165	6	2	1	4	4	7	-	1	-	4	2	7	8	14	18	23	27	19	18
		F	144	4	3	-	1	1	3	1	2	-	-	2	6	9	8	24	15	21	13	31
390-459	VII. DISEASES OF THE CIRCULATORY SYSTEM	T	16,853	11	2	1	3	7	16	19	40	70	125	201	379	593	967	1,429	1,963	2,477	2,948	5,602
		M	8,789	6	2	-	-	2	10	9	33	53	88	158	302	449	713	981	1,272	,389	1,359	1,963
		F	8,064	5	-	1	3	5	6	10	7	17	37	43	77	144	254	448	691	1,088	1,589	3,639
390-398, 402, 404-429	Diseases of the Heart	T	12,533	8	2	1	2	4	9	14	32	54	107	172	326	506	830	1,196	1,560	1,864	2,097	3,749
		M	6,876	3	2	-	-	2	7	8	27	43	78	144	269	392	624	839	1,035	1,071	977	1,355
		F	5,657	5	-	1	2	2	2	6	5	11	29	28	57	114	206	357	525	793	1,120	2,394
390-398	Acute Rheumatic Fever and Chronic Rheumatic Heart Disease	T	123	-	-	1	-	-	-	-	3	1	3	4	5	6	10	8	27	12	19	24
		M	44	-	-	-	-	-	-	-	2	1	-	1	3	3	6	4	7	4	6	7
		F	79	-	-	1	-	-	-	-	1	-	3	3	2	3	4	4	20	8	13	17
402, 404	Hypertensive Heart With or Without Renal Disease	T	189	-	-	-	-	-	-	1	-	1	1	-	5	5	10	16	19	29	37	65
		M	81	-	-	-	-	-	-	-	-	-	1	-	4	3	7	11	11	16	12	16
		F	108	-	-	-	-	-	-	1	-	1	-	-	1	2	3	5	8	13	25	49
410-414	Ischemic Heart Disease	T	9,342	1	-	-	-	1	-	5	18	36	79	136	260	397	669	939	1,192	1,421	1,564	2,624
		M	5,303	1	-	-	-	-	-	3	15	30	65	120	224	316	523	662	804	822	747	971
		F	4,039	-	-	-	-	1	-	2	3	6	14	16	36	81	146	277	388	599	817	1,653

Table 13
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1983 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T *	33902	645	120	64	68	222	288	265	282	282	413	560	954	1,523	2,274	3,207	3,967	4,631	5,079	9,058
		M	18,028	347	74	37	43	158	217	184	202	183	262	361	615	940	1,491	2,011	2.406	2,598	2,464	3,435
		F	15,873	297	46	27	25	64	71	81	80	99	151	199	339	583	783	1,196	1,561	2,033	2,615	5,623
410	Acute Myocardial Infarction	T	4,608	1	-	-	-	1	-	2	11	19	43	81	164	225	398	547	697	733	754	932
		M	2,780	1	-	-	-	-	-	-	10	18	35	71	143	178	313	380	464	409	372	386
		F	1,828	-	-	-	-	1	-	2	1	1	8	10	21	47	85	167	233	324	382	546
411	Other Acute and Subacute Forms	T	47	-	-	-	-	-	-	-	-	-	-	-	2	3	5	4	9	7	7	10
		M	32	-	-	-	-	-	-	-	-	-	-	-	2	3	5	3	8	4	4	3
		F	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	3	7
412	Old Myocardial Infarction	T	15	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	3	2	1	5
		M	8	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3	1	-	2
		F	7	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	1	3
413	Angina Pectoris	T	19	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	2	3	1	8
		M	9	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	2	-	3
		F	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	5
414	Chronic Ischemic Heart Disease	T	4,653	-	-	-	-	-	-	3	7	17	36	55	94	163	265	386	481	676	801	1,669
		M	2,474	-	-	-	-	-	-	3	5	12	30	49	79	131	204	278	329	406	371	577
		F	2,179	-	-	-	-	-	-	-	2	5	6	6	15	32	61	108	152	270	430	1,092
415-416	Pulmonary Heart Disease	T	218	-	-	-	1	-	-	1	1	3	4	7	8	7	15	24	36	37	35	39
		M	113	-	-	-	-	-	-	1	-	3	2	5	2	3	9	14	24	21	19	10
		F	105	-	-	-	1	-	-	-	1	-	2	2	6	4	6	10	12	16	16	29
420-429	Other Forms of Heart Disease	T	2,660	7	2	-	1	3	9	7	10	13	20	25	48	91	126	208	286	365	442	997
		M	1,334	2	2	-	-	2	7	4	10	9	10	18	36	67	79	147	189	208	193	351
		F	1,326	5	-	-	1	1	2	3	-	4	10	7	12	24	47	61	97	157	249	646
401, 403	Hypertensive Disease (Without Mention of Heart Disease)	T	144	1	-	-	-	-	-	-	-	-	-	2	3	4	4	12	16	22	34	46
		M	60	1	-	-	-	-	-	-	-	-	-	2	1	4	2	10	8	9	12	11
		F	84	-	-	-	-	-	-	-	-	-	-	-	2	-	2	2	8	13	22	35
430-438	Cerebrovascular Disease	T	3,116	1	-	-	1	2	3	4	6	10	15	18	37	60	88	161	251	467	637	1,355
		M	1,306	1	-	-	-	-	1	1	6	5	8	9	21	37	49	91	137	234	277	429
		F	1,810	-	-	-	1	2	2	3	-	5	7	9	16	23	39	70	114	233	360	926
431	Cerebral Hemorrhage	T	273	1	-	-	1	1	-	1	3	1	3	3	11	17	15	30	41	51	49	45
		M	131	1	-	-	-	-	-	-	3	1	3	3	6	8	8	15	19	24	21	19
		F	142	-	-	-	1	1	-	1	-	-	-	-	5	9	7	15	22	27	28	26
434	Occlusion of Cerebral Arteries	T	465	-	-	-	-	1	-	-	-	-	-	2	6	8	12	30	41	74	75	216
		M	201	-	-	-	-	-	-	-	-	-	-	1	3	6	8	17	22	42	30	72
		F	264	-	-	-	-	1	-	-	-	-	-	1	3	2	4	13	19	32	45	144
440-448	Diseases of the Arteries, Arterioles and Capillaries	T	974	-	-	-	-	-	4	-	1	5	2	4	9	18	40	50	127	114	168	432
		M	504	-	-	-	-	-	2	-	-	5	1	2	8	12	34	37	87	72	85	159
		F	470	-	-	-	-	-	2	-	1	-	1	2	1	6	6	13	40	42	83	273
440	Arteriosclerosis	T	564	-	-	-	-	-	-	-	-	1	2	-	2	6	8	14	52	52	103	324
		M	249	-	-	-	-	-	-	-	-	1	1	-	1	5	5	9	31	29	50	117
		F	315	-	-	-	-	-	-	-	-	-	1	-	1	1	3	5	21	23	53	207
451-459	Diseases of Veins and Lymphatics and Other Diseases of Circulatory System	T	86	1	-	-	-	1	-	1	1	1	1	5	4	5	5	10	9	10	12	20
		M	43	1	-	-	-	-	-	-	-	-	1	1	3	4	4	4	5	3	8	9
		F	43	-	-	-	-	1	-	1	1	1	-	4	1	1	1	6	4	7	4	11
451	Phlebitis and Thrombophlebitis	T	29	-	-	-	-	1	-	-	1	1	-	1	-	2	4	2	3	5	4	5
		M	11	-	-	-	-	-	-	-	-	-	-	-	-	1	3	1	1	-	2	3
		F	18	-	-	-	-	1	-	-	1	1	-	1	-	1	1	1	2	5	2	2
460-519	VIII. DISEASES OF THE RESPIRATORY SYSTEM	T	2,733	14	13	4	-	5	8	8	5	10	6	9	34	66	135	222	305	426	469	994
		M	1,565	6	10	2	-	2	4	4	-	7	5	6	21	35	90	147	195	268	287	476
		F	1,168	8	3	2	-	3	4	4	5	3	1	3	13	31	45	75	110	158	182	518
466	Acute Bronchitis and Bronchiolitis	T	10	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	4	3
		M	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	1
		F	6	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	2
480-487	Pneumonia and Influenza	T	1,343	7	6	-	-	1	3	4	2	5	3	3	13	19	25	51	91	158	242	710
		M	674	3	5	-	-	1	2	3	-	4	2	2	9	11	16	32	53	86	140	305
		F	669	4	1	-	-	-	1	1	2	1	1	1	4	8	9	19	38	72	102	405
480-486	Pneumonia	T	1,232	7	6	-	-	1	3	4	2	5	3	3	12	19	23	48	81	144	224	647
		M	630	3	5	-	-	1	2	3	-	4	2	2	9	11	14	32	50	80	130	282
		F	602	4	1	-	-	-	1	1	2	1	1	1	3	8	9	16	31	64	94	365
487	Influenza	T	111	-	-	-	-	-	-	-	-	-	-	-	1	-	2	3	10	14	18	63
		M	44	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	3	6	10	23
		F	67	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3	7	8	8	40
490-491	Bronchitis, Chronic and Unspecified	T	57	-	1	-	-	1	-	-	-	-	-	-	-	1	1	10	9	7	10	17
		M	33	-	1	-	-	1	-	-	-	-	-	-	-	-	1	5	5	4	7	9
		F	24	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5	4	3	3	8

Table 13
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1983 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T *	33902	645	120	64	68	222	288	265	282	282	413	560	954	1,523	2,274	3,207	3,967	4,631	5,079	9,058
		M	18,028	347	74	37	43	158	217	184	202	183	262	361	615	940	1,491	2,011	2,406	2,598	2,464	3,435
		F	15,873	297	46	27	25	64	71	81	80	99	151	199	339	583	783	1,196	1,561	2,033	2,615	5,623
492	Emphysema	T	186	-	-	-	-	-	-	-	-	1	-	1	5	8	25	29	29	36	31	21
		M	124	-	-	-	-	-	-	-	-	-	-	1	2	2	15	19	21	29	20	15
		F	62	-	-	-	-	-	-	-	-	1	-	-	3	6	10	10	8	7	11	6
493	Asthma	T	56	-	-	1	-	1	1	3	2	-	1	-	1	-	4	3	8	13	9	9
		M	21	-	-	1	-	-	-	-	-	-	1	-	1	-	3	2	3	5	2	3
		F	35	-	-	-	-	1	1	3	2	-	-	-	-	-	1	1	5	8	7	6
Residual	(460-465, 467-479, 494-519)	T	1,081	7	6	3	-	2	4	1	1	4	2	5	15	37	79	129	167	212	173	234
		M	709	3	4	1	-	-	2	1	-	3	2	3	9	22	54	89	113	144	116	143
		F	372	4	2	2	-	2	2	-	1	1	-	2	6	15	25	40	54	68	57	91
520-579 IX.	DISEASES OF THE DIGESTIVE SYSTEM	T	1,132	5	3	-	-	1	2	9	6	8	28	34	55	66	98	130	140	123	149	275
		M	567	1	2	-	-	-	1	5	5	6	15	21	33	42	56	85	79	57	69	90
		F	565	4	1	-	-	1	1	4	1	2	13	13	22	24	42	45	61	66	80	185
531-533	Ulcer of the Stomach and Duodenum	T	105	-	-	-	-	-	-	-	-	-	1	-	3	7	5	11	11	14	14	39
		M	60	-	-	-	-	-	-	-	-	-	-	-	3	6	4	7	9	10	7	14
		F	45	-	-	-	-	-	-	-	-	-	1	-	-	1	1	4	2	4	7	25
540-543	Appendicitis	T	11	-	-	-	-	-	-	-	-	-	-	1	1	-	2	3	-	-	2	2
		M	8	-	-	-	-	-	-	-	-	-	-	-	1	-	1	3	-	-	2	1
		F	3	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
550-553, 560	Hernia and Other Obstruction	T	98	4	1	-	-	-	1	-	-	-	-	1	3	1	4	7	12	6	12	46
		M	50	1	1	-	-	-	-	-	-	-	-	1	1	-	3	5	7	3	8	20
		F	48	3	-	-	-	-	1	-	-	-	-	-	2	1	1	2	5	3	4	26
571	Chronic Liver Disease and Cirrhosis	T	334	-	-	-	-	-	-	6	4	4	19	25	35	37	55	50	53	23	16	7
		M	199	-	-	-	-	-	-	4	3	3	11	17	20	25	32	33	31	12	7	1
		F	135	-	-	-	-	-	-	2	1	1	8	8	15	12	23	17	22	11	9	6
574-576	Cholelithiasis and Other Disorders of Gallbladder and Biliary Tract	T	81	-	-	-	-	-	1	1	-	-	-	-	2	1	3	6	8	14	13	32
		M	39	-	-	-	-	-	1	1	-	-	-	-	-	-	1	5	5	7	6	13
		F	42	-	-	-	-	-	-	-	-	-	-	-	2	1	2	1	3	7	7	19
Residual	(520-530, 534-539, 544-549, 554-559, 561-570, 572-573, 577-579)	T	503	1	2	-	-	1	-	2	2	4	8	7	11	20	29	53	56	66	92	149
		M	211	-	1	-	-	-	-	-	2	3	4	3	8	11	15	32	27	25	39	41
		F	292	1	1	-	-	1	-	2	-	1	4	4	3	9	14	21	29	41	53	108
580-629 X.	DISEASES OF THE GENITOURINARY SYSTEM	T	448	1	-	-	1	-	-	2	2	1	6	2	3	4	12	23	45	63	89	194
		M	221	1	-	-	-	-	-	2	-	1	4	2	1	3	8	12	26	32	46	83
		F	227	-	-	-	1	-	-	-	2	-	2	-	2	1	4	11	19	31	43	111
580-589	Nephritis, Nephrotic Syndrome and Nephrosis	T	275	1	-	-	1	-	-	1	1	-	4	1	2	4	7	20	31	39	60	103
		M	145	1	-	-	-	-	-	1	-	-	2	1	1	3	5	11	20	19	33	48
		F	130	-	-	-	1	-	-	-	1	-	2	-	1	1	2	9	11	20	27	55
590	Infections of the Kidney	T	22	-	-	-	-	-	-	-	1	1	-	-	-	-	1	2	3	5	1	8
		M	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	1	-	-
		F	19	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1	3	4	1	8
600	Hyperplasia of the Prostate	T	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	2	6
		M	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	2	6
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residual	(591-599, 601-629)	T	139	-	-	-	-	-	-	1	-	-	2	1	1	-	2	1	9	19	26	77
		M	61	-	-	-	-	-	-	1	-	-	2	1	-	-	1	-	4	12	11	29
		F	78	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	5	7	15	48
630-676 XI.	COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	T	3	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	3	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-
630-639	Pregnancy with Abortive Outcome	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
640-648	Complications of Pregnancy	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residual	(649-676)	T	3	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	3	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-

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MINNESOTA RESIDENTS, 1983 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T *	33902	645	120	64	68	222	288	265	282	282	413	560	954	1,523	2,274	3,207	3,967	4,631	5,079	9,058
		M	18,028	347	74	37	43	158	217	184	202	183	262	361	615	940	1,491	2,011	2,406	2,598	2,464	3,435
		F	15,873	297	46	27	25	64	71	81	80	99	151	199	339	583	783	1,196	1,561	2,033	2,615	5,623
680-709	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	T	20	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-	1	4	4	7
		M	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
		F	14	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-	1	4	1	4
710-739	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	T	128	-	-	-	-	-	-	-	2	2	1	2	6	3	13	11	18	18	16	36
		M	39	-	-	-	-	-	-	-	-	1	1	-	1	2	5	7	8	5	5	4
		F	89	-	-	-	-	-	-	-	2	1	-	2	5	1	8	4	10	13	11	32
740-759	XIV. CONGENITAL ANOMALIES	T	246 *	174 *	13	2	5	6	2	1	3	4	5	2	6	4	5	2	5	3	2	2
		M	122	82	7	1	3	4	2	-	1	3	4	2	2	2	4	-	3	2	-	-
		F	123	91	6	1	2	2	-	1	2	1	1	-	4	2	1	2	2	1	2	2
760-779	XV. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	T	281	281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	164	164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	117	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
780-799	XVI. SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS	T	696	108	5	-	-	2	1	4	5	3	4	3	7	23	39	62	81	66	74	211
		M	373	62	3	-	-	2	1	3	5	2	4	3	1	15	27	41	49	34	36	85
		F	325	46	2	-	-	-	-	1	-	1	-	-	6	8	12	21	32	32	38	126
E800-E999	XVII. INJURY AND POISONING	T	2,047	20	58	36	38	170	209	174	152	93	94	88	102	96	96	86	106	122	104	203
		M	1,382	5	32	20	25	130	167	138	119	70	71	59	82	66	66	54	73	73	46	86
		F	665	15	26	16	13	40	42	36	33	23	23	29	20	30	30	32	33	49	58	117
E800-E949	Accidents — Total	T	1,476	15	54	35	33	136	155	111	78	51	52	48	57	54	73	64	70	97	93	200
		M	953	4	31	19	22	100	126	93	61	39	42	31	45	36	50	37	43	52	39	83
		F	523	11	23	16	11	36	29	18	17	12	10	17	12	18	23	27	27	45	54	117
E810-E825	Motor Vehicle Accidents	T	611	3	16	17	17	107	107	74	39	28	28	21	18	16	23	20	21	27	15	14
		M	425	-	9	7	12	78	84	62	27	22	20	13	13	13	14	13	9	14	9	6
		F	186	3	7	10	5	29	23	12	12	6	8	8	5	3	9	7	12	13	6	8
Residual	Other Accidents (800-809, 826-949)	T	865	12	38	18	16	29	48	37	39	23	24	27	39	38	50	44	49	70	78	186
		M	528	4	22	12	10	22	42	31	34	17	22	18	32	23	36	24	34	38	30	77
		F	337	8	16	6	6	7	6	6	5	6	2	9	7	15	14	20	15	32	48	109
E950-E959	Suicide and Self-Inflicted Injury	T	443	-	-	1	4	28	37	45	55	33	33	34	39	30	19	21	30	23	9	2
		M	347	-	-	1	2	27	28	34	47	24	25	24	33	21	13	16	25	19	6	2
		F	96	-	-	-	2	1	9	11	8	9	8	10	6	9	6	5	5	4	3	-
E960-E969	Homicide and Injury Purposely Inflicted by Other Persons	T	76	3	2	-	1	4	10	10	12	5	6	4	5	7	3	1	2	1	-	-
		M	48	1	-	-	1	2	8	8	6	3	3	2	3	4	3	1	2	1	-	-
		F	28	2	2	-	-	2	2	2	6	2	3	2	2	3	-	-	-	-	-	-
E970-E978	Legal Intervention	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E980-E989	Injury Undetermined Whether Accidentally or Purposely Inflicted	T	52	2	2	-	-	2	7	8	7	4	3	2	1	5	1	-	4	1	2	1
		M	34	-	1	-	-	1	5	3	5	4	1	2	1	5	-	-	3	1	1	1
		F	18	2	1	-	-	1	2	5	2	-		-	-	-	1	-	1	-	1	-
E990-E999	Injury Resulting from Operations of War	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Includes Sex Unknown

Table 14
DEATHS DUE TO SELECTED CAUSES BY RACE
MINNESOTA RESIDENTS, 1983

	Total	White	Black	Indian	Other	Unknown
All Causes - Total	33,902	33,293	335	190	67	17
Infective-parasitic	255	247	6	-	2	-
Tuberculosis	10	8	1	-	1	-
Neoplasms - malignant	7,293	7,180	67	27	18	1
Digestive	1,994	1,963	17	6	8	-
Respiratory	1,648	1,614	20	13	1	-
Breast	682	673	5	3	1	-
Genital	913	903	8	-	2	-
Urinary	357	355	2	-	-	-
Leukemia	342	336	4	-	1	1
Diabetes mellitus	575	556	12	7	-	-
Major cardiovascular	16,767	16,558	126	60	14	9
Rheumatic	123	120	2	1	-	-
Hypertensive heart	189	185	3	-	1	-
Ischemic heart	9,342	9,240	57	31	6	8
Other heart	2,660	2,614	29	14	3	-
Hypertension	144	142	2	-	-	-
Cerebrovascular	3,116	3,077	26	9	4	-
Arteriosclerosis	564	560	3	1	-	-
Respiratory	2,733	2,702	16	10	3	2
Pneumonia	1,232	1,214	8	7	2	1
Influenza	111	109	1	1	-	-
Bronchitis	57	56	1	-	-	-
Emphysema	186	186	-	-	-	-
Asthma	56	56	-	-	-	-
Ulcer of stomach & duodenum	105	104	-	1	-	-
Hernia & intestinal obstruction	98	97	1	-	-	-
Chronic liver disease & cirrhosis	334	324	6	4	-	-
Nephritis, nephrotic syndrome & nephrosis	275	268	4	2	1	-
Kidney infections	22	22	-	-	-	-
Pregnancy, childbirth & puerperium	3	3	-	-	-	-
Congenital anomalies	246	227	14	2	3	-
Certain conditions originating in the perinatal period	281	255	17	6	3	-
Ill-defined	698	670	11	13	3	1
Other diseases	2,170	2,135	17	12	6	-
Accidents	1,476	1,412	17	33	10	4
Motor vehicle	611	579	3	21	8	-
Accidental falls	309	307	-	2	-	-
Suicide	443	432	5	4	2	-
Homicide	76	56	13	6	1	-
Other violent deaths	52	45	3	3	1	-

Table 15
FIFTEEN LEADING CAUSES OF DEATH, DEATH RATES PER 100,000 POPULATION AND PERCENT OF TOTAL DEATHS, MINNESOTA RESIDENTS, 1983

Cause of Death	Number of Deaths	Death Rates	Percent of Total
Heart Disease (390-398, 402, 404-429)	12,533	302.3	37.0
Cancer (Malignant neoplasms) (140-208)	7,293	175.9	21.5
Cerebrovascular Disease (430-438)	3,116	75.2	9.2
Accidental Deaths (800-949)	1,476	35.6	4.4
Motor vehicle (810-825)	(611)	(14.7)	(1.8)
Accidental falls (880-888)	(309)	(7.5)	(0.9)
Pneumonia and Influenza (480-487)	1,343	32.4	4.0
Pneumonia (480-486)	(1,232)	(29.7)	(3.6)
Influenza (487)	(111)	(2.7)	(0.3)
Diabetes mellitus (250)	575	13.9	1.7
Arteriosclerosis (440)	564	13.6	1.7
Suicide (950-959)	443	10.7	1.3
Chronic Liver Disease and Cirrhosis (571)	334	8.1	1.0
Chronic Bronchitis, Emphysema and Asthma (490-493)	299	7.2	0.9
Certain Conditions Originating in the Perinatal Period (760-779)	281	6.8	0.8
Nephritis, Nephrotic syndrome, and Nephrosis (580-589)	275	6.6	0.8
Congenital anomalies (740-759)	246	5.9	0.7
Hypertensive Disease Without Mention of Heart Disease (401, 403)	144	3.5	0.4
Septicemia (038)	134	3.2	0.4
All other causes	4,846	116.9	14.3
Total - all causes	33,902	817.8	100.0

Table 16
LEADING CAUSES OF DEATH BY SELECTED AGE GROUPS
MINNESOTA RESIDENTS, 1983

	No. of Deaths	Per-cent	Age/Cause Specific Death Rate Per 100,000 Population
1-4 Years			
Total, all causes	120	100.0	45.7
Accidental deaths	54	45.0	20.6
Motor vehicle	(16)	(13.3)	(6.1)
Malignant neoplasms	14	11.7	5.3
Respiratory disease	13	10.8	5.0
Congenital anomalies	13	10.8	5.0
Diseases of the nervous system and sense organs	9	7.5	3.4
5-9 Years			
Total, all causes	64	100.0	22.3
Accidental deaths	35	54.7	12.2
Motor vehicle	(17)	(26.6)	(5.9)
Malignant neoplasms	14	21.9	4.9
Diseases of the respiratory system	4	6.3	1.4
Endocrine, nutritional and metabolic disease	3	4.7	1.0
Congenital anomalies	2	3.1	0.7
10-14 Years			
Total, all causes	68	100.0	21.6
Accidental deaths	33	48.5	10.5
Motor vehicle	(17)	(25.0)	(5.4)
Malignant neoplasms	9	13.2	2.9
Diseases of the nervous system and sense organs	5	7.4	1.6
Suicide	4	5.9	1.3
Congenital anomalies	4	5.9	1.3
15-19 Years			
Total, all causes	222	100.0	63.4
Accidental deaths	136	61.3	38.8
Motor vehicle	(107)	(48.2)	(30.5)
Suicide	28	12.6	8.0
Malignant neoplasms	20	9.0	5.7
Diseases of the nervous system and sense organs	6	2.7	1.7
Congenital anomalies	6	2.7	1.7
20-34 Years			
Total, all causes	835	100.0	74.3
Accidental deaths	344	41.2	30.6
Motor vehicle	(220)	(26.3)	(19.6)
Suicide	137	16.4	12.2
Malignant neoplasms	108	12.9	9.6
Diseases of the heart	55	6.6	4.9
Homicide	32	3.8	2.8
35-49 Years			
Total, all causes	1,255	100.0	180.9
Malignant neoplasms	370	29.5	53.3
Diseases of the heart	333	26.5	48.0
Accidental deaths	151	12.0	21.8
Motor vehicle	(77)	(6.1)	(11.1)
Suicide	100	8.0	14.4
Chronic liver disease and cirrhosis	48	3.8	6.9
Cerebrovascular disease	43	3.4	6.2
50-64 Years			
Total, all causes	4,751	100.0	869.9
Diseases of the heart	1,662	35.0	304.3
Malignant neoplasms	1,655	34.8	303.0
Cerebrovascular disease	185	3.9	33.9
Accidental deaths	184	3.9	33.7
Motor vehicle	(57)	(1.2)	(10.4)
Chronic liver disease and cirrhosis	127	2.7	23.3
Diabetes mellitus	99	2.1	18.1
65-74 Years			
Total, all causes	7,174	100.0	2,573.4
Diseases of the heart	2,756	38.4	988.6
Malignant neoplasms	2,133	29.7	765.1
Cerebrovascular disease	412	5.7	147.8
Diabetes mellitus	63	2.3	58.5
Symptoms, signs and ill-defined conditions	143	2.0	51.3
Pneumonia and influenza	142	2.0	50.9
75 Years and Over			
Total, all causes	18,768	100.0	8,528.5
Diseases of the heart	7,710	41.1	3,503.6
Malignant neoplasms	2,968	15.8	1,348.7
Cerebrovascular disease	2,459	13.1	1,117.4
Pneumonia and influenza	1,110	5.9	504.4
Arteriosclerosis	479	2.6	217.7
Accidental deaths	390	2.1	177.2
Motor vehicle	(56)	(0.3)	(25.4)

Table 17
ACCIDENT FATALITIES OCCURRING IN MINNESOTA* BY ACCIDENT CATEGORY** AND AGE GROUP***
1982 - 1983

TYPE OF ACCIDENT	1982 TOTAL	1983 TOTAL	1983 AGE GROUP <5	5-14	15-24	25-44	45-64	65+	Unknown Age
TOTAL ACCIDENTAL DEATHS	1,431	1,461	71	65	287	285	229	524	-
OCCUPATIONAL DEATHS	64	56	-	1	10	15	22	8	-
Agriculture	23	27	-	1	5	5	11	5	-
Mining, quarrying, oil and gas wells	-	2	-	-	-	1	1	-	-
Construction	7	10	-	-	3	4	3	-	-
Manufacturing, logging and lumber	16	11	-	-	1	2	5	3	-
Transportation and public utilities	4	3	-	-	-	2	1	-	-
Trade	3	-	-	-	-	-	-	-	-
Service	5	1	-	-	1	-	-	-	-
Government	1	1	-	-	-	1	-	-	-
Other and unspecified industry	5	1	-	1	-	-	-	-	-
HOME DEATHS	316	330	32	19	20	53	65	141	-
Poisonings (except gas)	39	29	1	-	3	9	13	3	-
Poisonings by gases and vapors	7	26	2	2	4	10	3	5	-
Falls	112	128	7	-	2	4	22	93	-
Fires	58	68	8	8	7	11	12	22	-
Drowning	15	9	2	1	-	2	1	3	-
Suffocation, ingested food or object	17	10	-	-	-	4	2	4	-
Suffocation, mechanical	13	10	7	1	-	1	-	1	-
Firearms	9	6	-	2	-	3	1	-	-
Other and unspecified home accidents	46	44	5	5	4	9	11	10	-
MOTOR VEHICLE DEATHS	602	596	22	31	206	165	74	98	-
Injury to pedestrian	78	74	7	11	8	17	5	26	-
Injury to pedal cyclist	11	12	-	5	5	1	1	-	-
Injury to rider of animal or occupant of animal-drawn vehicle	-	-	-	-	-	-	-	-	-
Collision with railroad train	7	14	-	1	4	6	2	1	-
Collision with other motor vehicle	294	252	7	8	78	67	45	47	-
Collision with fixed object	24	15	-	1	6	5	2	1	-
Noncollision	156	154	2	2	84	53	6	7	-
Other and unspecified accidents	32	75	6	3	21	16	13	16	-
PUBLIC NON-MOTOR VEHICLE	438	465	17	14	49	49	67	269	-
Railroad (not with motor vehicle)	5	4	-	1	1	1	1	-	-
Other road vehicle (not with motor vehicle)	4	2	-	-	1	1	-	-	-
Water transportation	24	23	-	1	7	7	7	1	-
Air transportation	14	10	-	-	3	1	5	1	-
Falls	159	173	-	-	4	2	12	155	-
Fires	5	2	-	-	-	-	2	-	-
Drowning	54	50	4	5	16	13	7	5	-
Firearms	3	5	-	-	1	3	1	-	-
Other and unspecified public accidents	170	196	13	7	16	21	32	107	-
ACCIDENT TYPE UNKNOWN	11	14	-	-	2	3	1	8	-

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* Includes only those deaths for which the accident occurred in Minnesota.
** National Safety Council categories.
*** Age group applicable to 1983 only.

Table 18
DEATHS OCCURRING IN MINNESOTA BY CAUSE AND AUTOPSY STATUS
1983

			Autopsy Status					
			Number			Percent		
	Cause of Death	Total Deaths	Performed	Not Performed	Not Stated	Performed	Not Performed	Not Stated
	All Causes - Total	34,333	5,315	24,770	4,248	15.5	72.1	12.4
I.	Infectious and parasitic diseases	289	81	183	25	28.0	63.3	8.7
II.	Neoplasms	7,571	821	5,712	1,038	10.8	75.4	13.7
III.	Endocrine, nutritional, and metabolic diseases and immunity disorders	816	128	589	99	15.7	72.2	12.1
IV.	Diseases of the blood and blood-forming organs	120	29	79	12	24.2	65.8	10.0
V.	Mental disorders	265	37	186	42	14.0	70.2	15.8
VI.	Diseases of the nervous system and sense organs	489	77	348	64	15.7	71.2	13.1
VII.	Diseases of the circulatory system	16,941	2,150	12,654	2,137	12.7	74.7	12.6
VIII.	Diseases of the respiratory system	2,743	303	2,029	411	11.0	74.0	15.0
IX.	Diseases of the digestive system	1,171	329	735	107	28.1	62.8	9.1
X.	Diseases of the genitourinary system	456	49	345	62	10.7	75.7	13.6
XI.	Complications of pregnancy, childbirth, and the puerperium	3	3	-	-	100.0	0.0	0.0
XII.	Diseases of the skin and subcutaneous tissue	20	2	14	4	10.0	70.0	20.0
XIII.	Diseases of the musculoskeletal system and connective tissue	132	28	83	21	21.2	62.9	15.9
XIV.	Congenital anomalies	296	183	104	9	61.8	35.1	3.0
XV.	Certain conditions originating in the perinatal period	297	135	134	28	45.5	45.1	9.4
XVI.	Symptoms, signs and ill-defined conditions	693	125	507	61	18.0	73.2	8.8
XVII.	Injury and poisoning	2,031	835	1,068	128	41.1	52.6	6.3

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*
MINNESOTA, 1983

		State	Aitkin	Anoka	Becker	Beltrami	Benton	Big Stone	Blue Earth
DEATHS - Total		33,902**	185	820	293	261	249	117	444
Rate:	Age & sex adjusted	8.2	9.0	7.5	7.8	8.4	10.5	9.2	8.7
Rate:	Sex adjusted-age specific								
	Under 5 years	2.3	1.0	2.5	3.0	4.6	3.5	3.2	3.0
	5-14 years	0.2	0.5	0.2	0.2	0.4	0.5	0.0	0.0
	15-24 years	0.7	0.5	0.5	0.2	1.5	1.1	0.8	0.7
	25-44 years	1.0	1.3	0.9	0.5	1.7	1.3	1.2	0.6
	45-64 years	7.2	13.6	6.5	6.4	7.9	8.3	7.1	7.5
	65 years and over	52.0	49.3	48.0	51.9	48.5	67.4	59.5	57.1
Sex:	Male	18,028	108	463	163	151	121	65	231
	Female	15,873	77	357	130	110	128	52	213
Race:	White	33,293	183	815	286	231	248	117	444
	Black	335	-	1	-	-	-	-	-
	Indian	190	2	2	7	30	-	-	-
	Other & Unknown	84	-	2	-	-	1	-	-
ICDA***	CAUSE OF DEATH								
001-139	Infective-parasitic	255	1	6	4	2	1	1	3
010-018	Tuberculosis	10	-	1	-	-	-	-	-
140-208	Neoplasms-malignant	7,293	49	202	72	51	50	14	87
150-159	Digestive	1,994	10	47	24	17	18	4	29
160-165	Respiratory	1,648	20	65	7	8	6	-	19
174-175	Breast	682	2	10	2	7	4	2	10
179-187	Genital	913	6	22	13	2	10	3	9
188-189	Urinary	357	2	13	3	3	4	2	4
204-208	Leukemia	342	-	10	4	2	2	-	1
250	Diabetes mellitus	575	6	18	-	3	3	3	6
390-448	Major cardiovascular	16,767	88	357	140	112	125	77	237
390-398	Rheumatic heart	123	-	2	-	-	3	-	1
402,404	Hypertensive heart	189	-	2	-	-	2	-	-
410-414	Ischemic heart	9,342	62	197	93	68	82	42	135
420-429	Other heart	2,660	8	56	8	17	12	18	21
400-401, & 403	Hypertension	144	2	4	1	2	-	-	3
430-438	Cerebrovascular	3,116	8	64	29	16	14	13	60
440	Arteriosclerosis	564	4	15	4	2	9	3	7
460-519	Respiratory	2,733	15	68	33	27	25	9	41
480-486	Pneumonia	1,232	8	24	12	16	16	2	26
487	Influenza	111	1	1	-	2	-	-	-
490-491	Bronchitis	57	-	4	1	-	-	-	-
492	Emphysema	186	-	5	2	-	1	1	1
493	Asthma	56	2	4	1	-	-	1	-
531-533	Ulcer of stomach and duodenum	105	-	3	-	3	1	-	2
550-553, & 560	Hernia & intestinal obstruction	70	-	1	1	1	1	-	1
571	Chronic liver disease and cirrhosis	334	3	15	3	5	2	-	2
580-589	Nephritis, nephrotic syndrome & nephrosis	275	-	5	5	8	1	-	4
590	Kidney infection	22	-	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	3	-	1	-	-	-	-	-
740-759	Congenital anomalies	246	1	7	2	3	5	1	4
760-779	Infant mortality	281	-	12	-	7	3	-	5
780-799	Ill-defined	698	-	12	3	3	4	-	4
Residual	Other diseases	2,198	13	41	19	12	16	4	26
E800-949	Accidents	1,476	8	53	10	15	10	7	17
E810-825	Motor vehicle	611	3	31	1	12	7	5	6
E880-888	Accidental falls	309	-	6	3	2	-	1	5
E950-959	Suicide	443	1	14	1	4	2	1	4
E960-978	Homicide & legal intervention	76	-	2	-	3	-	-	-
E980-999	Other violent deaths	52	-	3	-	2	-	-	1

Table 19

SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA 1983 (CONT.)

		Brown	Carlton	Carver	Cass	Chippewa	Chisago	Clay	Clear-water
DEATHS - Total		300	290	242	254	182	232	361	91
Rate:	Age & sex adjusted	8.5	9.0	7.6	8.2	8.7	8.4	8.3	7.3
Rate:	Sex adjusted-age specific								
	Under 5 years	4.0	1.8	2.0	4.4	3.9	4.5	2.5	1.3
	5-14 years	0.0	0.6	0.3	0.3	1.0	0.2	0.3	0.0
	15-24 years	0.6	1.9	0.4	1.7	0.4	0.8	0.6	0.7
	25-44 years	1.3	1.5	1.0	1.7	0.5	1.2	1.2	1.5
	45-64 years	7.8	8.1	6.5	8.4	7.0	7.6	7.2	5.5
	65 years and over	52.9	54.5	49.2	45.9	56.0	50.8	52.2	46.7
Sex:	Male	150	164	135	136	111	127	205	56
	Female	150	126	107	118	71	105	156	35
Race:	White	299	286	241	230	180	231	360	88
	Black	1	1	-	3	1	1	-	-
	Indian	-	3	-	21	-	-	-	3
	Other & Unknown	-	-	1	-	1	-	1	-
ICDA***	CAUSE OF DEATH								
001-139	Infective-parasitic	3	1	1	1	1	3	5	-
010-018	Tuberculosis	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	70	63	44	45	37	49	83	18
150-159	Digestive	21	21	12	14	9	14	23	9
160-165	Respiratory	12	12	8	16	6	6	17	3
174-175	Breast	4	4	2	1	3	4	5	3
179-187	Genital	14	7	5	3	4	12	13	1
188-189	Urinary	4	2	1	3	2	1	4	-
204-208	Leukemia	4	2	9	1	1	2	4	1
250	Diabetes mellitus	5	5	6	6	-	4	3	2
390-448	Major cardiovascular	157	138	126	119	92	120	180	54
390-398	Rheumatic heart	2	2	2	1	-	2	-	-
402,404	Hypertensive heart	1	4	-	-	-	-	1	-
410-414	Ischemic heart	91	69	81	65	48	63	90	37
420-429	Other heart	23	21	11	21	23	19	39	4
400-401, & 403	Hypertension	3	2	1	1	-	1	1	1
430-438	Cerebrovascular	26	23	20	25	15	29	31	12
440	Arteriosclerosis	8	10	6	1	3	2	7	-
460-519	Respiratory	20	26	24	24	13	11	29	4
480-486	Pneumonia	4	16	12	13	7	5	15	-
487	Influenza	1	-	-	-	1	1	3	-
490-491	Bronchitis	1	1	-	-	-	1	-	-
492	Emphysema	1	3	3	2	-	-	1	1
493	Asthma	-	-	-	-	-	-	1	-
531-533	Ulcer of stomach and duodenum	1	-	-	2	-	1	1	-
550-553, & 560	Hernia & intestinal obstruction	1	1	-	1	-	-	1	-
571	Chronic liver disease and cirrhosis	7	3	4	1	3	-	3	1
580-589	Nephritis, nephrotic syndrome & nephrosis	3	3	1	1	-	2	2	-
590	Kidney infection	-	-	-	1	1	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	3	-	4	5	1	3	4	-
760-779	Infant mortality	3	3	1	3	4	5	3	-
780-799	Ill-defined	3	2	2	2	1	3	4	1
Residual	Other diseases	15	23	11	16	18	13	25	6
E800-949	Accidents	7	15	11	20	11	11	14	5
E810-825	Motor vehicle	4	9	8	8	6	7	5	2
E880-888	Accidental falls	-	1	1	3	2	-	6	2
E950-959	Suicide	2	4	7	5	-	6	4	-
E960-978	Homicide & legal intervention	-	2	-	2	-	1	-	-
E980-999	Other violent deaths	-	1	-	-	-	-	-	-

Table 19

SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

		Cook	Cotton-wood	Crow Wing	Dakota	Dodge	Douglas	Faribault	Fill-more
DEATHS - Total		42	148	443	967	151	288	230	273
Rate:	Age & sex adjusted	7.7	7.2	8.1	7.5	9.4	7.7	8.5	8.8
Rate:	Sex adjusted-age specific								
	Under 5 years	3.1	1.0	1.2	1.8	2.1	1.7	3.3	4.2
	5-14 years	0.0	0.5	0.3	0.2	0.0	0.2	0.0	0.3
	15-24 years	3.0	0.4	0.7	0.5	0.8	0.2	0.6	1.4
	25-44 years	1.5	0.6	0.6	0.8	1.2	1.5	1.3	1.0
	45-64 years	5.8	6.0	8.0	6.3	6.6	8.1	8.4	7.0
	65 years and over	44.9	47.8	51.9	48.5	63.2	46.4	51.9	55.4
Sex:	Male	30	78	262	528	81	171	131	138
	Female	12	70	181	439	70	117	99	135
Race:	White	36	148	441	961	151	287	229	273
	Black	1	-	-	3	-	-	-	-
	Indian	5	-	1	1	-	-	-	-
	Other & Unknown	-	-	1	2	-	1	1	-
ICDA***	CAUSE OF DEATH								
001-139	Infective-parasitic	1	1	3	10	1	-	-	3
010-018	Tuberculosis	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	7	24	88	251	31	63	51	50
150-159	Digestive	3	9	21	59	7	17	8	12
160-165	Respiratory	1	7	27	59	2	12	9	12
174-175	Breast	-	3	7	28	4	5	8	5
179-187	Genital	-	1	4	31	6	6	8	7
188-189	Urinary	-	-	5	12	1	7	5	2
204-208	Leukemia	-	2	6	12	3	1	4	3
250	Diabetes mellitus	-	5	3	30	1	3	3	3
390-448	Major cardiovascular	19	94	231	423	66	156	124	155
390-398	Rheumatic heart	-	1	1	4	1	-	1	3
402,404	Hypertensive heart	-	2	2	5	-	-	4	2
410-414	Ischemic heart	11	51	123	246	30	87	77	88
420-429	Other heart	4	16	53	64	15	24	14	26
400-401, & 403	Hypertension	-	1	2	3	-	-	1	-
430-438	Cerebrovascular	3	16	33	67	13	32	20	26
440	Arteriosclerosis	-	5	2	8	2	8	3	7
460-519	Respiratory	3	9	44	55	20	23	17	21
480-486	Pneumonia	3	3	19	15	12	10	11	14
487	Influenza	-	-	-	3	-	3	-	1
490-491	Bronchitis	-	-	-	3	1	-	-	-
492	Emphysema	-	1	3	3	-	-	1	-
493	Asthma	-	2	-	2	2	-	1	-
531-533	Ulcer of stomach and duodenum	-	-	1	1	1	-	1	2
550-553, & 560	Hernia & intestinal obstruction	-	-	1	3	-	2	1	-
571	Chronic liver disease and cirrhosis	-	-	7	14	-	1	1	-
580-589	Nephritis, nephrotic syndrome & nephrosis	-	2	4	4	2	3	3	3
590	Kidney infection	-	-	-	1	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	-	-	1	8	1	3	2	3
760-779	Infant mortality	1	-	-	13	-	-	2	1
780-799	Ill-defined	3	2	6	27	5	1	4	1
Residual	Other diseases	3	6	26	51	7	19	13	13
E800-949	Accidents	4	4	19	48	11	13	6	13
E810-825	Motor vehicle	1	1	7	21	4	7	1	3
E880-888	Accidental falls	-	2	4	6	4	5	2	6
E950-959	Suicide	-	1	9	24	5	1	2	3
E960-978	Homicide & legal intervention	1	-	-	1	-	-	-	2
E980-999	Other violent deaths	-	-	-	3	-	-	-	-

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

		Freeborn	Goodhue	Grant	Hennepin	Minn-eapolis	Houston	Hubbard
DEATHS - Total		362	362	98	7,366	3,980	189	142
Rate:	Age & sex adjusted	8.2	7.5	8.0	8.2	9.6	8.3	6.8
Rate:	Sex adjusted-age specific							
	Under 5 years	2.3	3.2	1.8	2.2	2.4	2.8	3.3
	5-14 years	1.0	0.2	0.0	0.2	0.3	0.4	0.0
	15-24 years	0.2	1.3	0.0	0.5	0.6	0.6	0.0
	25-44 years	0.6	0.8	0.6	1.0	1.3	0.6	0.0
	45-64 years	7.5	5.9	5.6	7.3	10.7	5.1	6.7
	65 years and over	53.0	47.5	55.3	52.6	57.9	56.8	44.0
Sex:	Male	203	199	55	3,618	1,904	112	90
	Female	159	163	43	3,748	2,076	77	52
Race:	White	362	361	98	7,097	3,745	169	138
	Black	–	–	–	193	175	–	–
	Indian	–	–	–	43	41	–	4
	Other & Unknown	–	1	–	33	19	–	–
ICDA***	CAUSE OF DEATH							
001-139	Infective-parastic	2	–	1	66	36	–	1
010-018	Tuberculosis	–	–	–	2	1	–	–
140-208	Neoplasms-malignant	70	67	27	1,649	849	37	44
150-159	Digestive	19	15	10	433	228	9	12
160-165	Respiratory	16	11	5	426	220	7	14
174-175	Breast	5	7	2	167	90	2	1
179-187	Genital	11	14	4	171	89	5	7
188-189	Urinary	2	5	2	77	35	2	3
204-208	Leukemia	4	4	–	71	33	2	3
250	Diabetes mellitus	3	10	4	127	71	3	–
390-448	Major cardiovascular	196	188	49	3,391	1,836	104	66
390-398	Rheumatic heart	1	1	–	41	22	1	–
402,404	Hypertensive heart	8	1	–	52	30	2	–
410-414	Ischemic heart	79	92	28	1,940	1,042	55	33
420-429	Other heart	46	19	7	463	269	19	7
400-401, & 403	Hypertension	2	4	–	33	21	1	–
430-438	Cerebrovascular	46	42	10	642	332	16	19
440	Arteriosclerosis	6	16	–	107	58	6	4
460-519	Respiratory	33	32	6	591	331	13	13
480-486	Pneumonia	13	17	1	245	140	6	6
487	Influenza	–	4	1	19	11	–	1
490-491	Bronchitis	–	–	–	8	5	1	–
492	Emphysema	6	2	1	43	23	1	–
493	Asthma	–	–	–	9	5	–	–
531-533	Ulcer of stomach and duodenum	2	–	–	30	19	1	–
550-553, & 560	Hernia & intestinal obstruction	2	–	–	19	13	1	1
571	Chronic liver disease and cirrhosis	–	–	–	81	48	1	2
580-589	Nephritis, nephrotic syndrome & nephrosis	–	2	–	57	34	3	1
590	Kidney infection	–	1	1	7	3	–	–
630-676	Pregnancy, childbirth & puerperium	–	–	–	–	–	–	–
740-759	Congenital anomalies	1	3	–	60	25	3	–
760-779	Infant mortality	4	4	1	55	26	–	1
780-799	Ill-defined	4	3	–	257	186	–	–
Residual	Other diseases	31	31	7	525	277	10	8
E800-949	Accidents	13	18	2	288	142	12	5
E810-825	Motor vehicle	7	9	–	85	32	2	2
E880-888	Accidental falls	2	4	1	101	58	3	2
E950-959	Suicide	1	3	–	114	54	1	–
E960-978	Homicide & legal intervention	–	–	–	30	19	–	–
E980-999	Other violent deaths	–	–	–	19	11	–	–

Table 19

SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

		Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	Koochi-iching
DEATHS - Total		188	374	135	115	331	87	154
Rate:	Age & sex adjusted	8.2	7.6	7.5	8.0	7.2	8.7	8.8
Rate:	Sex adjusted-age specific							
	Under 5 years	2.9	1.8	3.9	0.0	2.4	0.0	0.7
	5-14 years	0.2	0.3	0.0	0.5	0.0	0.0	0.4
	15-24 years	1.1	0.7	0.4	1.4	0.4	1.0	0.7
	25-44 years	1.5	1.0	0.3	2.0	1.2	1.7	1.3
	45-64 years	6.1	8.4	6.2	8.8	5.8	5.3	7.7
	65 years and over	51.3	46.0	49.4	45.8	46.2	58.8	56.7
Sex:	Male	110	215	68	76	198	42	84
	Female	78	159	67	39	133	45	70
Race:	White	188	364	135	114	331	87	150
	Black	-	-	-	1	-	-	-
	Indian	-	10	-	-	-	-	1
	Other & Unknown	-	-	-	-	-	-	3
ICDA***	CAUSE OF DEATH							
001-139	Infective-parasitic	1	3	2	2	2	-	1
010-018	Tuberculosis	1	-	-	-	-	-	-
140-208	Neoplasms-malignant	38	78	28	18	78	14	30
150-159	Digestive	9	24	6	8	16	5	7
160-165	Respiratory	13	22	12	4	16	3	6
174-175	Breast	3	5	2	-	11	2	4
179-187	Genital	5	8	1	1	15	2	4
188-189	Urinary	-	4	2	-	1	-	2
204-208	Leukemia	1	1	1	2	4	-	1
250	Diabetes mellitus	-	5	1	2	5	1	3
390-448	Major cardiovascular	108	189	67	61	152	47	86
390-398	Rheumatic heart	1	2	-	-	2	-	-
402,404	Hypertensive heart	-	1	1	-	2	-	1
410-414	Ischemic heart	55	99	35	24	81	15	50
420-429	Other heart	14	39	8	11	28	15	15
400-401, & 403	Hypertension	-	1	1	-	3	-	-
430-438	Cerebrovascular	34	32	11	22	32	13	17
440	Arteriosclerosis	2	5	7	2	2	-	1
460-519	Respiratory	11	29	13	5	22	10	15
480-486	Pneumonia	4	11	8	2	12	6	4
487	Influenza	-	3	-	-	3	3	3
490-491	Bronchitis	-	1	-	-	-	-	-
492	Emphysema	1	1	-	-	3	-	1
493	Asthma	-	1	1	2	-	-	-
531-533	Ulcer of stomach and duodenum	-	3	1	1	3	-	1
550-553, & 560	Hernia & intestinal obstruction	-	1	1	-	-	-	1
571	Chronic liver disease and cirrhosis	1	2	2	3	3	-	1
580-589	Nephritis, nephrotic syndrome & nephrosis	2	6	-	4	3	2	1
590	Kidney infection	-	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-
740-759	Congenital anomalies	-	1	1	-	3	-	-
760-779	Infant mortality	1	4	1	-	4	-	1
780-799	Ill-defined	9	9	10	1	8	[illegible]	2
Residual	Other diseases	5	16	4	4	28	9	6
E800-949	Accidents	9	24	3	11	15	2	5
E810-825	Motor vehicle	6	10	1	4	6	1	2
E880-888	Accidental falls	-	2	-	-	3	-	1
E950-959	Suicide	3	4	1	2	3	-	1
E960-978	Homicide & legal intervention	-	-	-	-	1	-	-
E980-999	Other violent deaths	-	-	-	1	1	-	-

Table 19

SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

		Lac Qui Parle	Lake	Lake of the Woods	LeSueur	Lincoln	Lyon	McLeod	Mahnomen	Marshall
DEATHS - Total		118	92	32	212	98	220	289	62	136
Rate:	Age & sex adjusted	7.6	7.1	6.1	7.6	8.2	7.8	8.4	8.6	8.5
Rate:	Sex adjusted-age specific									
	Under 5 years	1.2	0.0	3.0	1.5	0.0	1.4	2.9	3.9	1.9
	5-14 years	0.0	0.5	0.0	0.0	0.0	0.0	0.2	1.0	0.5
	15-24 years	3.1	0.5	0.0	0.9	1.5	1.0	1.2	0.0	0.0
	25-44 years	0.0	0.5	2.1	0.8	0.6	1.2	1.3	0.8	1.9
	45-64 years	8.0	3.2	2.4	6.3	9.1	6.5	6.9	7.5	7.7
	65 years and over	46.0	51.7	40.2	49.6	50.8	49.7	52.3	54.4	53.0
Sex:	Male	66	50	21	107	62	115	157	38	78
	Female	52	42	11	105	36	105	132	24	58
Race:	White	118	92	32	212	98	220	289	53	136
	Black	-	-	-	-	-	-	-	-	-
	Indian	-	-	-	-	-	-	-	9	-
	Other & Unknown	-	-	-	-	-	-	-	-	-
ICDA***	CAUSE OF DEATH									
001-139	Infective-parasitic	-	-	-	2	1	3	3	1	-
010-018	Tuberculosis	-	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	20	11	5	40	20	45	68	9	23
150-159	Digestive	10	4	3	13	4	9	22	1	7
160-165	Respiratory	4	1	1	10	6	7	11	1	6
174-175	Breast	-	-	-	2	2	4	6	1	-
179-187	Genital	3	3	1	6	5	5	7	2	6
188-189	Urinary	-	-	-	-	-	5	4	1	2
204-208	Leukemia	1	1	-	2	-	1	5	1	-
250	Diabetes mellitus	4	-	1	6	1	3	5	2	1
390-448	Major cardiovascular	65	55	18	129	49	110	148	41	89
390-398	Rheumatic heart	-	-	1	-	-	1	3	-	1
402,404	Hypertensive heart	-	-	-	1	-	-	-	-	-
410-414	Ischemic heart	36	27	10	67	31	67	87	16	36
420-429	Other heart	12	13	2	28	3	15	14	12	25
400-401, & 403	Hypertension	-	-	-	3	-	1	1	-	-
430-438	Cerebrovascular	13	10	4	24	10	20	29	8	20
440	Arteriosclerosis	3	1	-	4	1	3	10	4	2
460-519	Respiratory	5	8	4	13	6	18	14	3	8
480-486	Pneumonia	2	2	3	5	4	6	6	2	3
487	Influenza	-	1	1	-	1	-	-	1	-
490-491	Bronchitis	-	-	-	1	1	-	-	-	-
492	Emphysema	-	1	-	1	-	3	-	-	-
493	Asthma	1	-	-	1	-	-	2	-	-
531-533	Ulcer of stomach and duodenum	1	-	-	1	1	-	1	-	1
550-553, & 560	Hernia & intestinal obstruction	-	-	-	-	-	2	3	-	-
571	Chronic liver disease and cirrhosis	-	1	-	-	1	2	1	1	2
580-589	Nephritis, nephrotic syndrome & nephrosis	-	-	-	1	2	1	1	1	2
590	Kidney infection	2	-	-	-	1	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	-	-	-	2	-	1	4	-	1
760-779	Infant mortality	1	-	-	-	-	2	2	1	1
780-799	Ill-defined	1	1	-	-	-	-	1	1	2
Residual	Other diseases	7	10	1	12	10	17	19	1	1
E800-949	Accidents	12	5	2	4	6	11	14	1	2
E810-825	Motor vehicle	4	4	1	1	1	7	4	1	2
E880-888	Accidental falls	3	-	-	1	2	2	5	-	-
E950-959	Suicide	-	-	1	2	-	4	5	-	3
E960-978	Homicide & legal intervention	-	-	-	-	-	-	-	-	-
E980-999	Other violent deaths	-	1	-	-	-	1	-	-	-

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

		Martin	Meeker	Mille Lacs	Morrison	Mower	Murray	Nicollet
DEATHS - Total		250	230	191	297	392	128	167
Rate:	Age & sex adjusted	7.5	8.6	8.3	8.8	7.4	8.2	6.6
Rate:	Sex adjusted-age specific							
	Under 5 years	1.6	1.7	4.4	2.2	2.5	0.0	2.6
	5-14 years	0.0	0.3	0.0	0.0	0.2	0.6	0.5
	15-24 years	0.5	0.8	0.9	0.5	0.6	0.5	0.5
	25-44 years	0.6	0.6	0.9	2.0	0.9	0.4	0.6
	45-64 years	7.0	7.4	8.6	9.2	6.0	5.6	4.6
	65 years and over	48.7	55.9	49.5	52.2	48.0	57.5	43.6
Sex:	Male	134	129	105	174	210	63	83
	Female	116	101	86	123	182	65	84
Race:	White	250	230	183	296	391	128	166
	Black	-	-	-	-	1	-	1
	Indian	-	-	7	-	-	-	-
	Other & Unknown	-	-	1	1	-	-	-
ICDA***	CAUSE OF DEATH							
001-139	Infective-parasitic	1	1	1	-	1	-	1
010-018	Tuberculosis	1	1	-	-	-	-	-
140-208	Neoplasms-malignant	70	42	34	51	72	29	35
150-159	Digestive	13	13	10	16	22	6	11
160-165	Respiratory	13	15	6	9	15	4	7
174-175	Breast	12	3	-	2	10	2	4
179-187	Genital	7	5	9	5	5	5	6
188-189	Urinary	8	1	4	4	5	4	1
204-208	Leukemia	3	1	1	-	2	1	1
250	Diabetes mellitus	5	5	6	4	7	2	1
390-448	Major cardiovascular	129	113	90	162	204	71	85
390-398	Rheumatic heart	-	1	-	1	3	-	1
402,404	Hypertensive heart	-	3	1	3	-	3	2
410-414	Ischemic heart	87	57	61	76	101	35	47
420-429	Other heart	10	10	6	39	45	16	13
400-401, & 403	Hypertension	1	3	-	1	1	-	1
430-438	Cerebrovascular	26	31	15	34	43	17	13
440	Arteriosclerosis	2	4	4	-	4	-	6
460-519	Respiratory	18	26	20	25	30	9	14
480-486	Pneumonia	11	12	11	12	21	6	7
487	Influenza	-	2	-	-	-	-	-
490-491	Bronchitis	-	1	-	-	2	-	-
492	Emphysema	2	2	1	-	-	-	-
493	Asthma	2	-	-	2	-	-	-
531-533	Ulcer of stomach and duodenum	-	1	-	1	1	-	1
550-553, & 560	Hernia & intestinal obstruction	1	1	-	1	-	2	-
571	Chronic liver disease and cirrhosis	2	1	1	5	3	3	-
580-589	Nephritis, nephrotic syndrome & nephrosis	1	-	2	1	6	2	1
590	Kidney infection	-	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	1	3	1	-	-	1
760-779	Infant mortality	1	-	2	1	3	-	4
780-799	Ill-defined	1	6	3	3	26	-	3
Residual	Other diseases	14	16	14	21	29	6	9
E800-949	Accidents	4	16	13	16	8	4	8
E810-825	Motor vehicle	3	8	5	5	3	-	4
E880-888	Accidental falls	-	4	2	-	1	1	-
E950-959	Suicide	2	1	2	4	1	-	4
E960-978	Homicide & legal intervention	-	-	-	1	-	-	-
E980-999	Other violent deaths	-	-	-	-	1	-	-

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

		Nobles	Norman	Olmsted	Otter Tail	Penn-ington	Pine	Pipe-stone	Polk
DEATHS - Total		201	142	597**	571	161	182	157	383
Rate:	Age & sex adjusted	7.2	9.3	7.5	7.3	10.0	7.3	9.7	9.0
Rate:	Sex adjusted-age specific								
	Under 5 years	3.5	0.0	2.4	1.0	0.0	1.1	3.3	2.5
	5-14 years	0.0	0.7	0.3	0.4	0.9	0.6	0.0	0.0
	15-24 years	0.3	2.7	0.8	1.0	0.8	0.8	0.5	0.5
	25-44 years	0.9	0.0	0.8	1.2	1.5	0.8	1.9	1.6
	45-64 years	4.9	6.3	5.4	7.2	8.8	10.5	5.9	7.6
	65 years and over	47.4	63.0	49.5	44.8	64.3	40.5	64.0	57.5
Sex:	Male	114	74	289	320	92	106	77	226
	Female	87	68	307	251	69	76	80	157
Race:	White	200	141	590	569	161	182	156	381
	Black	1	-	3	-	-	-	-	-
	Indian	-	1	-	-	-	-	-	2
	Other & Unknown	-	-	4	2	-	-	1	-
ICDA***	CAUSE OF DEATH								
001-139	Infective-parasitic	-	-	2	4	-	1	-	5
010-018	Tuberculosis	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	52	28	144	102	29	39	26	89
150-159	Digestive	12	8	42	27	5	9	7	34
160-165	Respiratory	9	5	26	18	8	10	2	13
174-175	Breast	10	4	19	10	2	3	5	8
179-187	Genital	9	3	11	21	6	6	5	11
188-189	Urinary	2	5	7	3	2	3	1	2
204-208	Leukemia	2	1	12	3	1	1	3	5
250	Diabetes mellitus	2	5	11	7	2	4	3	4
390-448	Major caardiovascular	103	82	270	289	91	89	89	192
390-398	Rheumatic heart	-	-	2	2	2	-	-	-
402,404	Hypertensive heart	1	-	2	2	-	-	-	3
410-414	Ischemic heart	47	50	167	168	55	49	45	112
420-429	Other heart	28	5	30	45	10	18	15	22
400-401, & 403	Hypertension	1	-	3	2	1	-	-	-
430-438	Cerebrovascular	21	24	42	49	17	17	19	38
440	Arteriosclerosis	4	-	4	5	5	2	9	10
460-519	Respiratory	16	9	53	69	8	25	10	27
480-486	Pneumonia	9	3	18	27	2	8	4	14
487	Influenza	-	1	1	10	-	3	1	-
490-491	Bronchitis	-	-	3	-	-	1	-	1
492	Emphysema	1	-	4	-	1	-	-	2
493	Asthma	1	1	-	-	-	-	-	-
531-533	Ulcer of stomach and duodenum	-	-	4	1	-	-	1	-
550-553, & 560	Hernia & intestinal obstruction	-	1	-	1	-	1	-	1
571	Chronic liver disease and cirrhosis	1	-	5	5	1	-	2	7
580-589	Nephritis, nephrotic syndrome & nephrosis	-	2	1	6	1	1	3	2
590	Kidney infection	1	-	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	1	-	-	-	-	-	-	-
740-759	Congenital anomalies	2	-	6	-	-	-	1	2
760-779	Infant mortality	2	-	9	3	-	-	2	3
780-799	Ill-defined	2	-	10	1	4	1	4	4
Residual	Other diseases	12	9	37	50	12	14	10	26
E800-949	Accidents	5	6	28	28	9	7	3	18
E810-825	Motor vehicle	1	3	10	16	5	-	1	5
E880-888	Accidental falls	2	3	5	2	2	1	1	4
E950-959	Suicide	1	-	17	5	4	-	1	3
E960-978	Homicide & legal intervention	1	-	-	-	-	-	2	-
E980-999	Other violent deaths	-	-	-	-	-	-	-	-

Table 19
SELECTED MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

		Pope	Ramsey	St. Paul	Red Lake	Redwood	Renville	Rice	Rock
DEATHS - Total		155	3,873	2,762	42	214	190	380	107
Rate:	Age & sex adjusted	8.6	8.7	9.0	6.1	8.2	6.9	8.5	7.8
Rate:	Sex adjusted-age specific								
	Under 5 years	2.0	3.0	2.5	0.0	2.7	1.2	1.4	2.3
	5-14 years	0.0	0.2	0.3	0.0	0.0	0.3	0.2	0.6
	15-24 years	1.0	0.7	0.8	1.1	1.6	0.0	0.7	1.1
	25-44 years	1.1	1.0	1.2	0.8	0.2	0.6	0.9	1.2
	45-64 years	5.5	8.1	10.0	4.4	8.5	5.2	7.1	8.1
	65 years and over	58.1	54.4	54.2	40.8	51.1	46.7	55.7	46.3
Sex:	Male	80	1,951	1,381	25	120	102	189	63
	Female	75	1,922	1,381	17	94	88	191	44
Race:	White	155	3,723	2,621	42	213	190	379	107
	Black	-	120	113	-	-	-	-	-
	Indian	-	11	10	-	1	-	-	-
	Other & Unknown	-	19	18	-	-	-	1	-
ICDA***	CAUSE OF DEATH								
001-139	Infective-parasitic	-	41	34	-	2	1	1	1
010-018	Tuberculosis	-	2	2	-	-	-	-	-
140-208	Neoplasms-malignant	28	799	583	11	51	46	80	23
150-159	Digestive	12	211	162	3	13	16	15	8
160-165	Respiratory	6	205	142	2	11	8	11	2
174-175	Breast	2	81	56	-	4	3	7	-
179-187	Genital	1	88	69	-	9	10	20	5
188-189	Urinary	-	25	17	-	-	2	2	2
204-208	Leukemia	-	41	31	2	4	1	4	1
250	Diabetes mellitus	-	60	42	2	3	2	4	-
390-448	Major cardiovascular	71	1,902	1,347	21	115	97	205	58
390-398	Rheumatic heart	2	15	10	1	-	-	1	-
402,404	Hypertensive heart	-	21	18	-	1	1	5	1
410-414	Ischemic heart	44	1,123	816	11	59	65	111	35
420-429	Other heart	5	279	189	2	18	18	32	6
400-401, & 403	Hypertension	3	14	10	-	1	-	5	-
430-438	Cerebrovascular	15	311	220	6	32	13	34	16
440	Arteriosclerosis	1	73	38	1	3	-	10	-
460-519	Respiratory	11	300	224	2	14	18	26	5
480-486	Pneumonia	8	135	105	2	4	9	10	1
487	Influenza	1	5	1	-	1	3	1	-
490-491	Bronchitis	-	7	6	-	-	-	1	-
492	Emphysema	-	30	24	-	1	2	3	1
493	Asthma	-	4	3	-	-	1	1	-
531-533	Ulcer of stomach and duodenum	1	7	6	-	1	-	2	1
550-553, & 560	Hernia & intestinal obstruction	2	5	1	-	-	1	1	-
571	Chronic liver disease and cirrhosis	2	46	29	-	-	1	5	-
580-589	Nephritis, nephrotic syndrome & nephrosis	4	33	25	-	2	1	2	1
590	Kidney infection	-	4	1	-	-	-	2	-
630-676	Pregnancy, childbirth & puerperium	-	1	1	-	-	-	-	-
740-759	Congenital anomalies	-	31	16	-	1	-	2	1
760-779	Infant mortality	1	42	21	-	3	1	1	-
780-799	Ill-defined	9	110	78	-	1	1	5	-
Residual	Other diseases	14	284	213	4	10	12	25	8
E800-949	Accidents	12	132	94	2	9	6	15	6
E810-825	Motor vehicle	4	45	29	2	6	-	9	3
E880-888	Accidental falls	1	22	15	-	1	4	2	-
E950-959	Suicide	-	52	25	-	2	3	3	2
E960-978	Homicide & legal intervention	-	18	17	-	-	-	1	-
E980-999	Other violent deaths	-	6	5	-	-	-	-	1

Table 19

SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

		Roseau	St. Louis	Duluth	Scott	Sherburne	Sibley	Stearns
DEATHS - Total		120	2,203	1,071	286	224	159	661
Rate:	Age & sex adjusted	7.7	9.1	10.3	8.5	9.6	7.5	6.6
Rate:	Sex adjusted-age specific							
	Under 5 years	2.6	1.5	1.4	1.6	2.2	1.6	2.8
	5-14 years	0.5	0.2	0.3	0.4	0.0	0.4	0.2
	15-24 years	0.9	0.7	0.7	0.5	0.9	0.0	0.7
	25-44 years	0.9	1.2	1.2	0.8	0.8	1.1	0.8
	45-64 years	9.5	8.7	9.4	6.0	8.1	6.2	6.4
	65 years and over	44.2	57.9	66.8	57.5	63.3	48.9	40.4
Sex:	Male	74	1,175	505	156	113	82	394
	Female	46	1,028	566	130	111	77	267
Race:	White	118	2,178	1,059	284	224	159	661
	Black	–	1	1	–	–	–	–
	Indian	1	20	9	2	–	–	–
	Other & Unknown	1	4	2	–	–	–	–
ICDA***	CAUSE OF DEATH							
001-139	Infective-parasitic	–	17	10	–	1	–	3
010-018	Tuberculosis	–	1	–	–	–	–	–
140-208	Neoplasms-malignant	24	461	236	69	29	42	141
150-159	Digestive	9	139	76	17	12	15	42
160-165	Respiratory	2	113	48	19	7	3	25
174-175	Breast	4	35	22	8	4	5	14
179-187	Genital	1	60	32	9	2	5	14
188-189	Urinary	2	24	11	3	2	3	6
204-208	Leukemia	2	14	4	2	–	3	10
250	Diabetes mellitus	6	45	21	4	6	6	9
390-448	Major cardiovascular	57	1,106	546	144	126	62	338
390-398	Rheumatic heart	–	2	1	1	1	–	4
402,404	Hypertensive heart	1	19	11	1	1	–	7
410-414	Ischemic heart	27	566	269	85	71	22	202
420-429	Other heart	17	246	132	14	21	12	53
400-401, & 403	Hypertension	–	11	7	3	1	1	4
430-438	Cerebrovascular	11	179	91	30	21	22	48
440	Arteriosclerosis	1	32	13	4	4	3	8
460-519	Respiratory	7	216	97	22	17	6	41
480-486	Pneumonia	5	108	52	9	6	2	13
487	Influenza	–	4	–	1	–	–	3
490-491	Bronchitis	–	9	4	1	–	–	1
492	Emphysema	–	20	8	1	4	–	5
493	Asthma	–	3	2	1	–	–	1
531-533	Ulcer of stomach and duodenum	–	5	4	–	–	3	4
550-553, & 560	Hernia & intestinal obstruction	–	3	–	1	–	–	–
571	Chronic liver disease and cirrhosis	–	27	12	4	3	–	7
580-589	Nephritis, nephrotic syndrome & nephrosis	4	10	3	4	1	6	4
590	Kidney infection	–	–	–	–	–	–	–
630-676	Pregnancy, childbirth & puerperium	–	–	–	–	–	–	–
740-759	Congenital anomalies	2	13	5	2	2	–	7
760-779	Infant mortality	–	8	3	5	3	–	12
780-799	Ill-defined	1	28	19	4	4	13	6
Residual	Other diseases	8	141	63	6	13	10	31
E800-949	Accidents	11	84	36	12	13	8	41
E810-825	Motor vehicle	4	33	12	6	7	2	29
E880-888	Accidental falls	3	20	10	2	1	5	2
E950-959	Suicide	–	34	12	7	5	2	15
E960-978	Homicide & legal intervention	–	2	2	2	–	–	–
E980-999	Other violent deaths	–	3	2	–	1	1	2

Table 19
SELECTED MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

		Steele	Stevens	Swift	Todd	Traverse	Wabasha	Wadena
DEATHS - Total		230	97	145	261	71	173	210
Rate:	Age & sex adjusted	7.2	7.6	8.1	8.1	7.8	7.5	11.8
Rate:	Sex adjusted-age specific							
	Under 5 years	2.7	1.1	3.0	1.7	0.0	2.5	2.6
	5-14 years	0.0	0.7	0.0	0.7	0.0	0.0	0.4
	15-24 years	0.4	0.0	1.8	0.4	0.0	1.8	0.8
	25-44 years	0.5	0.0	0.7	1.3	0.9	1.2	2.2
	45-64 years	5.2	5.2	7.3	10.4	6.9	7.1	10.8
	65 years and over	48.4	53.6	50.5	46.1	52.7	44.7	73.8
Sex:	Male	122	50	80	153	45	88	113
	Female	108	47	65	108	26	85	97
Race:	White	230	97	145	261	70	173	210
	Black	-	-	-	-	1	-	-
	Indian	-	-	-	-	-	-	-
	Other & Unknown	-	-	-	-	-	-	-
ICDA***	CAUSE OF DEATH							
001-139	Infective-parasitic	-	1	1	10	-	1	-
010-018	Tuberculosis	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	49	19	28	63	18	44	46
150-159	Digestive	14	5	9	16	8	8	14
160-165	Respiratory	9	3	5	14	2	9	8
174-175	Breast	5	1	1	4	5	4	7
179-187	Genital	4	2	3	7	2	6	7
188-189	Urinary	3	1	3	6	-	1	2
204-208	Leukemia	3	1	-	3	1	5	-
250	Diabetes mellitus	1	3	1	1	4	3	4
390-448	Major cardiovascular	135	49	85	126	37	78	114
390-398	Rheumatic heart	-	-	-	-	-	-	-
402,404	Hypertensive heart	1	-	-	1	-	-	1
410-414	Ischemic heart	77	24	48	76	23	41	68
420-429	Other heart	14	9	15	23	9	9	22
400-401, & 403	Hypertension	1	-	1	-	-	1	-
430-438	Cerebrovascular	32	13	9	21	3	21	14
440	Arteriosclerosis	7	1	6	1	1	2	6
460-519	Respiratory	11	10	9	22	9	17	18
480-486	Pneumonia	6	6	4	14	4	8	7
487	Influenza	1	-	-	-	1	1	4
490-491	Bronchitis	1	-	-	1	-	1	-
492	Emphysema	-	-	3	1	-	-	1
493	Asthma	-	-	-	-	-	-	-
531-533	Ulcer of stomach and duodenum	-	1	1	1	-	-	-
550-553, & 560	Hernia & intestinal obstruction	-	-	-	-	-	-	-
571	Chronic liver disease and cirrhosis	4	-	-	1	-	3	1
580-589	Nephritis, nephrotic syndrome & nephrosis	3	2	-	4	-	2	1
590	Kidney infection	-	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-
740-759	Congenital anomalies	3	1	2	3	-	-	1
760-779	Infant mortality	3	-	1	1	-	3	1
780-799	Ill-defined	1	-	1	1	-	-	5
Residual	Other diseases	11	7	11	17	-	9	8
E800-949	Accidents	6	3	5	8	2	12	10
E810-825	Motor vehicle	1	1	5	4	1	3	4
E880-888	Accidental falls	1	1	-	1	-	4	1
E950-959	Suicide	3	1	-	2	1	1	1
E960-978	Homicide & legal intervention	-	-	-	1	-	-	-
E980-999	Other violent deaths	-	-	-	-	-	-	-

Table 19
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1983 (CONT.)

		Waseca	Washington	Watonwan	Wilkin	Winona	Wright	Yellow Medicine	Unknown
DEATHS - Total		184	577	146	73	471	426	148	2
Rate:	Age & sex adjusted	8.9	8.1	8.8	7.2	9.4	7.7	8.0	0.0
Rate:	Sex adjusted-age specific								
	Under 5 years	5.3	1.7	2.9	3.1	1.7	2.1	3.9	0.0
	5-14 years	0.4	0.0	0.0	0.0	0.0	0.4	0.6	0.0
	15-24 years	2.1	0.6	1.1	1.9	0.7	1.2	0.9	0.0
	25-44 years	1.2	0.8	1.3	1.6	1.8	1.3	1.0	0.0
	45-64 years	8.2	5.7	8.6	7.9	7.3	6.5	7.0	0.0
	65 years and over	51.9	54.6	53.7	39.0	61.1	47.6	49.2	0.0
Sex:	Male	96	308	77	47	243	236	79	2
	Female	88	269	69	26	228	190	69	-
Race:	White	183	575	145	73	471	425	147	2
	Black	-	1	-	-	-	-	-	-
	Indian	-	-	1	-	-	1	1	-
	Other & Unknown	1	1	-	-	-	-	-	-
ICDA***	CAUSE OF DEATH								
001-139	Infective-parasitic	-	4	-	1	4	4	2	-
010-018	Tuberculosis	-	1	-	-	-	-	-	-
140-208	Neoplasms-malignant	34	163	30	17	102	92	24	-
150-159	Digestive	12	45	5	4	23	26	4	-
160-165	Respiratory	3	40	9	3	15	14	4	-
174-175	Breast	-	16	4	3	11	6	5	-
179-187	Genital	8	19	6	4	14	17	3	-
188-189	Urinary	2	10	-	1	8	4	1	-
204-208	Leukemia	2	10	1	1	10	3	2	-
250	Diabetes mellitus	4	18	2	-	4	9	1	-
390-448	Major cardiovascular	93	255	82	38	243	194	79	-
390-398	Rheumatic heart	-	-	-	-	2	1	-	-
402,404	Hypertensive heart	1	5	-	-	7	-	1	-
410-414	Ischemic heart	56	131	56	20	115	95	35	-
420-429	Other heart	19	49	5	1	47	42	29	-
400-401, & 403	Hypertension	-	4	-	-	1	-	-	-
430-438	Cerebrovascular	13	46	16	13	49	39	14	-
440	Arteriosclerosis	3	11	3	-	14	8	-	-
460-519	Respiratory	9	45	9	6	40	39	12	-
480-486	Pneumonia	2	23	5	2	20	17	6	-
487	Influenza	-	1	-	1	1	5	1	-
490-491	Bronchitis	-	1	-	-	2	-	-	-
492	Emphysema	3	1	1	-	-	1	2	-
493	Asthma	1	-	-	-	2	2	1	-
531-533	Ulcer of stomach and duodenum	-	-	-	1	-	-	-	-
550-553, & 560	Hernia & intestinal obstruction	-	-	-	-	-	-	1	-
571	Chronic liver disease and cirrhosis	3	4	-	1	2	3	1	1
580-589	Nephritis, nephrotic syndrome & nephrosis	1	7	-	1	2	2	4	-
590	Kidney infection	-	-	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	3	5	2	2	1	2	1	-
760-779	Infant mortality	2	3	-	-	2	7	3	-
780-799	Ill-defined	4	11	3	-	4	13	1	-
Residual	Other diseases	12	31	10	3	35	29	12	-
E800-949	Accidents	18	23	8	3	26	24	7	1
E810-825	Motor vehicle	9	10	2	2	12	14	5	-
E880-888	Accidental falls	3	5	2	-	2	4	1	-
E950-959	Suicide	1	[illegible]	-	-	5	4	-	-
E960-978	Homicide & legal intervention	-	1	-	-	1	1	-	-
E980-999	Other violent deaths	-	1	-	-	-	3	-	-

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* As of the 1980 Census

** Includes Unknown Sex

*** For detailed causes see Table 13, pages 46-50.

Marriage and Divorce

Table 20
MARRIAGES REPORTED IN MINNESOTA BY STATE OF RESIDENCE
1983

State of Residence	Marriages Reported		Percent of Marriages Reported	
	Residence of Bride	Residence of Groom	Residence of Bride	Residence of Groom
Total	36,259	36,259	100.0	100.0
Minnesota*	34,005	32,498	93.8	89.6
Other Areas and Unknown	2,254	3,761	6.2	10.4
Iowa	156	278	0.4	0.8
North Dakota	394	568	1.1	1.6
South Dakota	135	180	0.4	0.5
Wisconsin	396	610	1.1	1.7
Other States	1,106	1,983	3.1	5.5
U.S. Territories	2	8	0.0	0.0
Other Nations	65	134	0.2	0.4
Unknown	-	-	-	-

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* The resident totals are not true resident totals for Minnesota. Information is not available at the present time on the number of Minnesotans who marry in other States.

Table 21
MARRIAGES, DIVORCES, AND ANNULMENTS BY COUNTY OF OCCURRENCE
MINNESOTA, 1983

County	Marriages	Divorces	Annulments	Unknown Divorce or Annulment
State Total	36,259	14,789	21	7
Aitkin	89	33	-	-
Anoka	1,521	900	3	-
Becker	248	97	-	-
Beltrami	340	133	-	-
Benton	86	65	-	-
Big Stone	63	12	-	-
Blue Earth	521	154	-	-
Brown	265	53	-	-
Carlton	262	138	-	-
Carver	312	95	-	-
Cass	119	76	-	-
Chippewa	99	34	-	-
Chisago	189	80	-	-
Clay	576	118	1	-
Clearwater	97	19	-	-
Cook	43	13	-	-
Cottonwood	117	24	-	-
Crow Wing	428	189	-	-
Dakota	779	927	1	-
Dodge	113	52	-	-
Douglas	234	108	-	-
Faribault	111	44	1	-
Fillmore	137	34	-	2
Freeborn	304	130	-	-
Goodhue	261	106	-	-
Grant	50	18	-	-
Hennepin	10,842	4,379	8	-
Houston	177	57	-	-
Hubbard	115	44	-	-
Isanti	199	79	-	-
Itasca	344	147	-	-
Jackson	102	28	-	-
Kanabec	100	26	-	1
Kandiyohi	328	100	-	-
Kittson	44	12	-	-
Koochiching	136	65	-	-
Lac Qui Parle	71	12	-	1
Lake	97	16	-	-
Lake of the Woods	39	18	-	-
Le Sueur	112	42	-	-
Lincoln	59	12	-	-
Lyon	232	88	-	-
McLeod	241	73	-	-
Mahnomen	49	12	-	-
Marshall	69	26	-	-

Table 21
MARRIAGES, DIVORCES, AND ANNULMENTS BY COUNTY OF OCCURRENCE
MINNESOTA, 1983 (CONT.)

County	Marriages	Divorces	Annulments	Unknown Divorce or Annulment
Martin	189	98	1	-
Meeker	162	50	-	-
Mille Lacs	151	68	-	-
Morrison	273	83	-	-
Mower	292	120	-	-
Murray	68	11	-	-
Nicollet	145	57	-	-
Nobles	178	60	-	-
Norman	60	16	-	-
Olmsted	1,058	356	2	-
Otter Tail	289	152	1	-
Pennington	118	48	-	-
Pine	135	52	-	-
Pipestone	107	25	-	-
Polk	342	121	-	-
Pope	76	24	-	-
Ramsey	4,544	1,816	2	-
Red Lake	31	5	-	-
Redwood	147	33	-	-
Renville	123	30	-	-
Rice	354	127	-	-
Rock	89	27	-	-
Roseau	109	31	-	-
St. Louis	1,762	888	1	1
Scott	533	148	-	-
Sherburne	196	112	-	-
Sibley	92	22	-	-
Stearns	1,129	246	-	-
Steele	266	78	-	-
Stevens	93	10	-	-
Swift	74	19	-	-
Todd	140	60	-	-
Traverse	35	7	-	-
Wabasha	96	47	-	-
Wadena	199	36	-	-
Waseca	140	56	-	-
Washington	761	449	-	2
Watonwan	85	24	-	-
Wilkin	70	15	-	-
Winona	357	109	-	-
Wright	411	139	-	-
Yellow Medicine	60	26	-	-
Unknown	-	-	-	-

Table 22
MARRIAGES OCCURRING IN MINNESOTA BY RACE OF BRIDE AND GROOM, 1983

	GROOM								
BRIDE	TOTAL	WHITE	BLACK	INDIAN	CHINESE	JAPANESE	OTHER* ASIAN	OTHER	UNKNOWN
TOTAL	36,259	31,815	680	258	39	12	122	13	3,320
WHITE	31,818	31,176	250	117	13	9	36	10	207
BLACK	435	40	382	2	-	-	-	-	11
INDIAN	249	111	5	126	-	-	1	-	6
CHINESE	35	10	1	-	21	-	-	-	3
JAPANESE	11	9	-	1	-	-	1	-	-
OTHER ASIAN*	144	54	3	-	3	1	76	-	7
OTHER	13	11	-	-	-	-	1	-	1
UNKNOWN	3,554	404	39	12	2	2	7	3	3,085

* Includes Pacific Islanders

Table 23

MARRIAGES OCCURRING IN MINNESOTA BY AGE OF BRIDE AND GROOM, 1983

		Groom's Age													
Bride's Age	Total	Under 18	18-19	20	21-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 & Over	Un-known*
Total	36,259	56	1,602	1,873	11,823	9,838	4,729	2,377	1,368	832	551	421	296	486	7
Under 18	518	24	221	89	146	34	2	2	-	-	-	-	-	-	-
18-19	4,361	21	988	783	1,965	495	74	24	7	3	-	-	1	-	-
20	3,295	4	234	503	1,890	524	104	26	8	-	1	1	-	-	-
21-24	12,600	5	124	436	6,543	4,159	951	271	71	27	7	3	2	-	1
25-29	7,693	1	26	46	1,077	3,665	1,930	653	203	53	26	7	5	1	-
30-34	3,465	1	5	12	160	767	1,251	724	364	108	40	22	5	5	1
35-39	1,726	-	3	1	24	157	331	484	373	195	92	45	12	9	-
40-44	968	-	1	1	7	25	69	150	255	238	119	67	29	6	1
45-49	511	-	-	-	3	7	10	34	66	146	116	75	36	18	-
50-54	336	-	-	-	1	-	3	5	19	47	102	87	42	30	-
55-59	250	-	-	-	-	1	2	2	1	10	34	69	71	58	2
60-64	224	-	-	-	-	-	1	1	-	4	9	31	70	108	-
65+	291	-	-	-	1	-	1	-	-	-	4	14	23	248	-
Unknown*	21	-	-	2	6	4	-	1	1	1	1	-	-	3	2

* Includes age specified as legal

Table 24
DIVORCES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE
MINNESOTA, 1983

	Husband's Age											
Wife's Age	Total	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 & Over	Unknown
Total	14,817	29	1,318	3,025	2,937	2,391	1,649	1,000	620	362	214	212	1,060
15-19	172	17	124	19	6	2	1	-	1	-	1	-	
20-24	2,324	9	990	1,033	196	63	17	7	4	2	-	-	3
25-29	3,316	2	161	1,672	1,061	274	73	28	8	5	1	1	30
30-34	2,737	1	27	216	1,380	818	190	58	22	7	5	3	10
35-39	2,270	-	10	54	240	1,085	648	149	49	15	5	7	8
40-44	1,336	-	1	9	32	105	627	402	97	32	20	3	8
45-49	731	-	-	3	7	27	70	310	216	64	24	8	2
50-54	397	-	-	5	4	12	14	35	167	112	33	14	1
55-59	217	-	-	2	1	-	3	7	36	87	56	25	-
60-64	141	-	-	-	1	-	1	2	12	25	51	48	1
65 & Over	131	-	-	-	-	-	-	1	4	8	15	102	1
Unknown	1,045	-	5	12	9	5	5	1	4	5	3	1	995

Occupational Illness and Injury

Table 25
NUMBER OF INJURIES AND ILLNESSES BY MAJOR INDUSTRIAL CATEGORY MINNESOTA, 1982 AND 1983

	Number of Injuries and Illnesses				
Industrial Category	1982 (Estimate)	Percent of Total	1983 (Actual)	Percent of Total	Percent Change 1982-1983
Agriculture, Forestry and Fisheries	638	1.6	773	1.9	21.2
Mining	375	0.9	316	0.8	- 15.7
Construction	4,136	10.5	4,194	10.1	1.4
Manufacturing	12,564	31.8	12,356	29.6	- 1.7
Transportation and Public Utilities	4,041	10.2	3,859	9.2	- 4.5
Wholesale and Retail Trades	7,486	18.9	8,697	20.8	16.2
Finance, Insurance and Real Estate	663	1.7	773	1.9	16.6
Service	8,324	21.1	9,435	22.6	13.3
Public Administration	1,265	3.2	1,313	3.1	3.8
Non-classified Industries	18	0.0	4	0.0	- 77.8
Total	39,510	100.0	41,720	100.0	5.6

Table 26
ANNUAL AVERAGE EMPLOYMENT PERCENT OF TOTAL EMPLOYMENT AND RATE OF OCCUPATIONAL INJURIES AND ILLNESSES PER 1,000 WORKERS BY INDUSTRIAL CATEGORY*, MINNESOTA, 1982 AND 1983

Industrial Category	1982 (Estimate)	1983 (Actual)
Mining		
Annual Average Employment	9,500	8,400
Percent	0.6	0.5
Rate of Injuries Per 1,000 Workers	39.5	37.6
Construction		
Annual Average Employment	59,900	60,300
Percent	3.5	3.5
Rate of Injuries Per 1,000 Workers	69.0	69.6
Manufacturing		
Annual Average Employment	346,600	344,900
Percent	20.3	20.1
Rate of Injuries Per 1,000 Workers	36.2	35.8
Transportation and Public Utilities		
Annual Average Employment	93,100	92,400
Percent	5.5	5.4
Rate of Injuries Per 1,000 Workers	43.4	41.8
Wholesale and Retail Trades		
Annual Average Employment	429,500	428,500
Percent	25.2	25.0
Rate of Injuries Per 1,000 Workers	17.4	20.3
Finance, Insurance, and Real Estate		
Annual Average Employment	98,200	100,800
Percent	5.8	5.9
Rate of Injuries Per 1,000 Workers	6.8	7.7
Services		
Annual Average Employment	380,600	392,100
Percent	22.3	22.9
Rate of Injuries Per 1,000 Workers	21.9	24.1
Public Administration		
Annual Average Employment	289,400	286,800
Percent	17.0	16.7
Rate of Injuries Per 1,000 Workers	4.4	4.6
Total -- Average Annual Employment	1,706,800	1,714,200
Total -- Rate Per 1,000 Workers	22.8	23.9

*Occupational injury and illness rates were calculated by dividing the number of injuries for an industrial category by the average annual employment and are reported as rate per 1,000 workers.

Table 27
NUMBER OF INJURIES AND ILLNESSES BY MAJOR OCCUPATIONAL CATEGORY MINNESOTA, 1982 AND 1983

	Number of Injuries and Illnesses				
Occupational Category	1982 (Estimate)	Percent of Total	1983 (Actual)	Percent of Total	Percent Change 1982-1983
Professional and Technical	1,788	4.5	2,209	5.3	23.5
Managers and Administrators	1,724	4.4	2,138	5.1	24.0
Sales Workers	656	1.7	784	1.9	19.5
Clerical Workers	2,185	5.5	2,280	5.5	4.3
Crafts Workers	6,492	16.4	6,626	15.9	2.1
Operatives	11,054	28.0	11,240	26.9	1.7
Laborers	6,176	15.6	6,017	14.4	- 2.6
Farmers	246	0.6	343	0.8	39.4
Service Workers	7,423	18.8	8,308	19.9	11.9
Not Reported	1,766	4.5	1,775	4.3	0.5
Total	39,510	100.0	41,720	100.0	5.6

Table 23

NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY TYPE OF ACCIDENT MINNESOTA, 1982 AND 1983

	Number of Injuries and Illnesses				
Type of Accident	1982 (Estimate)	Percent of Total	1983 (Actual)	Percent of Total	Percent Change 1982-1983
Struck Against or by Object	7,426	18.8	7,789	18.7	4.9
Fall	6,738	17.1	7,018	16.8	4.2
Caught In, Under or Between Objects	1,500	3.8	1,659	4.0	10.6
Abraded	312	0.8	676	1.6	116.7
Motion	3,273	8.3	2,737	6.6	- 16.4
Over Exertion	12,456	31.5	12,389	29.7	- 0.5
Contact With Electricity	72	0.2	57	0.1	- 20.8
Contact With Extreme Temperatures	802	2.0	886	2.1	10.5
Contact With Radiation, Toxics or Caustics	799	2.0	849	2.0	6.3
Public Transporation	13	0.0	18	0.0	38.5
Motor Vehicle Accidents	798	2.0	1,075	2.6	34.7
Exposure to Noise	33	0.1	53	0.1	60.6
Explosion	66	0.2	69	0.2	4.5
Accidents, N.E.C.	388	1.0	430	1.0	10.8
Unclassified Data	4,834	12.2	6,015	14.4	24.4
Total	39,510	100.0	41,720	100.0	5.6

Table 29
NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY NATURE OF INJURY
MINNESOTA, 1982 AND 1983

	Number of Injuries and Illnesses				
Nature of Injury	1982 (Estimate)	Percent of Total	1983 (Actual)	Percent of Total	Percent Change 1982-1983
Amputation	117	0.3	87	0.2	- 25.6
Laceration	4,047	10.2	4,944	11.9	22.2
Contusion	3,218	8.1	3,336	8.0	3.7
Abrasion	546	1.4	584	1.4	7.0
Heat Burn	804	2.0	891	2.1	10.8
Chemical Burn	255	0.6	307	0.7	20.4
Concussion	148	0.4	115	0.3	- 22.3
Fracture	3,072	7.8	3,026	7.3	- 1.5
Dislocation	822	2.1	1,293	3.1	57.3
Sprain	16,968	42.9	18,351	44.0	8.2
Hernia	969	2.5	854	2.0	- 11.9
Asphyxia	3	0.0	4	0.0	33.3
Barometric Effects	3	0.0	2	0.0	- 33.3
Frostbite, Freezing	16	0.0	31	0.1	93.8
Heat Stroke	6	0.0	24	0.1	300.0
Electric Shock	60	0.2	42	0.1	- 30.0
Hearing Loss	87	0.2	81	0.2	- 6.9
Infective Diseases	27	0.1	30	0.1	11.1
Respiratory Diseases	80	0.2	58	0.1	- 27.5
Pneumoconiosis	6	0.0	17	0.0	183.3
Poisoning	240	0.6	207	0.5	- 13.8
Mental Diseases	30	0.1	81	0.2	170.0
Nervous System Diseases	27	0.1	27	0.1	.0
Neoplasm	10	0.0	4	0.0	- 60.0
Radiation Effects	27	0.1	30	0.1	11.1
Dermatitis	333	0.8	301	0.7	- 9.6
Circulatory System	106	0.3	145	0.3	36.8
Heart Attack	316	0.8	282	0.7	- 10.8
Eye Diseases	9	0.0	18	0.0	100.0
Inflammation of Joints	1,143	2.9	1,295	3.1	13.3
Hemorrhoids	18	.0	11	.0	- 38.9
Multiple Injuries	525	1.3	973	2.3	85.3
Unclassified	5,472	13.8	4,269	10.2	- 22.0
Total	39,510	100.0	41,720	100.0	5.6

Table 30
NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY PART OF BODY INJURED MINNESOTA, 1982 AND 1983

	Number of Injuries and Illnesses				
Part of Body	1982 (Estimate)	Percent of Total	1983 (Actual)	Percent of Total	Percent Change 1982-1983
Head	1,022	2.6	1,134	2.7	11.0
Eye	888	2.2	944	2.3	6.3
Neck	645	1.6	639	1.5	- 0.9
Upper Extremities, Except Finger	5,256	13.3	5,744	13.8	9.3
Finger	3,408	8.6	4,008	9.6	17.6
Trunk, Except Back	4,623	11.7	4,441	10.6	- 3.9
Back	12,150	30.8	12,846	30.8	5.7
Lower Extremities, Except Leg	3,495	8.8	3,706	8.9	6.0
Leg	3,399	8.6	3,536	8.5	4.0
Body Systems	933	2.4	901	2.2	- 3.4
Multiple Parts	3,039	7.7	3,180	7.6	4.6
Body Parts Unclassified	652	1.7	641	1.5	- 1.7
Total	39,510	100.0	41,720	100.0	5.6

Population

POPULATION OF MINNESOTA

The population of Minnesota grew by an estimated 69,697 persons from April 1, 1980 to April 1, 1983.[1] The 1983 population of 4,145,667 represents an increase of 1.7 percent since 1980. The growth rate of the state has slowed slightly from that experienced during the 1970s. Estimated outmigration, which was relatively slow from 1980 to 1982, accelerated from 1982 to 1983.

Most of the population growth in Minnesota since 1980 has occurred in the suburban and rural areas of the state. The suburban population increased by 4.2 percent between 1980 and 1983 while the rural population increased by 2.5 percent. Although suburban growth has outpaced rural growth since 1980, suburban areas are growing slower than they did during the 1970s while rural areas are growing faster.

The faster growth in rural portions of the state means that a slightly higher proportion of the population now lives in rural areas than in 1980. Still, a majority of the population resides in urban areas. Sixty-seven percent of the population is urban. Twenty-one percent of the population lives in cities with 50,000 people or more, 32 percent lives in places with 10,000 to 50,000 people and 14 percent lives in urban places with fewer than 10,000 people.

County growth patterns have changed since the 1970s. Thirty-three counties are growing more rapidly (or declining less rapidly) than they did during the 1970s, while growth has slowed (or decline increased) in the remaining 54. Three interesting patterns have emerged:

** Several counties in northeastern Minnesota which held their own during the 1970s and through 1982 now appear to be losing population.

** Hennepin and Ramsey Counties, which experienced substantial population losses during the 1970s, have stabilized. The population of Hennepin County has even increased slightly since 1980.

** Growth in the lake areas of northern Minnesota has shifted to the north and west.

The most rapid population growth in Minnesota is now occurring roughly on a line from Lake of the Woods County through Beltrami and Hubbard Counties down to Becker, Otter Tail and Douglas Counties. Many counties along the southern and western borders of the state continue to lose population.

The largest population increases have occurred in Dakota and Anoka

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[1] These data are derived from the 1980 census and estimates of the 1983 population of Minnesota counties, cities, and townships available from the Office of State Demographer. Adapted from "Population Notes, December, 1984," Minnesota State Planning Agency, Office of State Demographer.

Counties, which both have added more than 11,000 people since 1980. St. Louis County has lost 8,600 people since 1980, and large losses have also occurred in Ramsey and Pennington Counties. When rates of population change are examined, the leaders are somewhat different. The fastest growing counties in Minnesota are Scott and Sherburne Counties with increases of over 11 percent between 1980 and 1983. Hubbard and Kandiyohi Counties also recorded substantial rates of population increase during this period.

Minnesota's population change is a result of two factors: natural increase (births minus deaths) and migration. After peaking in 1981 at their highest level since 1965, births declined in 1982 and again in 1983. At the same time, net outmigration from Minnesota was much more substantial from 1982 to 1983 than it had been in the previous two years.

Minnesota recorded approximately 204,800 births between April 1, 1980 and April 1, 1983. During the same time period, approximately 99,200 deaths were recorded. The difference, or natural increase, was nearly 105,600 persons. Births outnumbered deaths in every Minnesota county between 1980 and 1983. The highest rates of natural increase are found in the Twin Cities suburbs and the St. Cloud and Rochester areas, reflecting the large number of young families in these areas. The lowest rates of natural increase are found in southwestern Minnesota and in Aitkin and Cass Counties. These areas have a high proportion of elderly residents.

The growth caused by natural increase is to some extent countered by loss due to migration. Although natural increase added over 105,000 people during the last three years, the population of Minnesota increased by only 69,700 persons. Between 1980 and 1983 an estimated 35,900 more people moved out of Minnesota than moved into the state. This loss is relatively small, amounting to only nine-tenths of one percent. Still, given estimated outmigration of 14,000 persons from 1980 to 1982, it does appear that there was a sizeable net loss between 1982 and 1983.

Thirty-four Minnesota counties experienced net inmigration between 1980 and 1983, while the remaining 53 lost more people than they received. Counties surrounding the Twin Cities (Scott, Sherburne, Chisago, Isanti and Carver Counties) and to their west and northwest (Hubbard, Kandiyohi, Otter Tail and Douglas Counties) have the highest rates of inmigration. The agricultural areas in the south and the Iron Range and lumbering areas of northeastern Minnesota have the highest rates of outmigration. Pennington, Koochiching, Cottonwood, St. Louis, Renville and Yellow Medicine Counties all have outmigration rates exceeding five percent.

Table 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1983

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
STATE TOTAL	4,145,667	331,032	601,569	753,137	1,226,012	735,082	498,835
MALE	2,032,468	170,198	307,759	379,095	612,624	358,811	203,981
FEMALE	2,113,199	160,834	293,810	374,042	613,388	376,271	294,854
NORTHWESTERN REGION	162,720	13,740	24,725	30,041	40,525	28,922	24,767
MALE	81,310	7,072	12,685	15,444	20,591	14,294	11,224
FEMALE	81,410	6,668	12,040	14,597	19,934	14,628	13,543
NORTHEASTERN REGION	335,391	25,476	48,445	59,214	92,347	63,124	46,785
MALE	165,847	13,239	24,898	30,044	47,123	30,702	19,841
FEMALE	169,544	12,237	23,547	29,170	45,224	32,422	26,944
WEST CENTRAL REGION	208,548	16,140	29,252	40,353	51,904	38,256	32,643
MALE	103,008	8,284	14,991	20,354	26,431	18,634	14,314
FEMALE	105,540	7,856	14,261	19,999	25,473	19,622	18,329
CENTRAL REGION	473.428	41,996	76,616	92,473	125,479	77,729	59,135
MALE	235,936	21,568	39,192	46,893	63,360	38,651	26,272
FEMALE	237,492	20,428	37,424	45,580	62,119	39,078	32,863
SOUTHWESTERN REGION	305,138	24,611	44,691	52,426	75,201	57,551	50,658
MALE	150,749	12,582	22,977	27,010	38,471	27,915	21,794
FEMALE	154,389	12,029	21,714	25,416	36,730	29,636	28,864
SOUTH CENTRAL REGION	223,337	18,158	31,322	43,018	59,016	39,370	32,453
MALE	109,785	9,348	16,051	21,488	30,326	19,064	13,508
FEMALE	113,552	8,810	15,271	21,530	28,690	20,306	18,945
SOUTHEASTERN REGION	409,389	32,852	59,490	77,073	112,060	73,228	54,686
MALE	199,672	17,003	30,369	38,163	56,003	35,777	22,357
FEMALE	209,717	15,849	29,121	38,910	56,057	37,451	32,329
METROPOLITAN REGION	2,027,716	158,059	287,028	358,539	669,480	356,902	197,708
MALE	986,161	81,102	146,596	179,699	330,319	173,774	74,671
FEMALE	1,041,555	76,957	140,432	178,840	339,161	183,128	123,037

Table 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1983

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
AITKIN	13,595	1,004	1,878	2,134	3,138	2,649	2,792
MALE	6,786	521	978	1,097	1,591	1,269	1,330
FEMALE	6,809	483	900	1,037	1,547	1,380	1,462
ANOKA	207,355	18,281	37,678	40,026	69,134	32,532	9,704
MALE	103,728	9,422	19,288	20,278	34,059	16,591	4,090
FEMALE	103,627	8,859	18,390	19,748	35,075	15,941	5,614
BECKER	30,972	2,621	4,996	5,469	7,801	5,443	4,642
MALE	15,538	1,381	2,648	2,839	3,945	2,660	2,065
FEMALE	15,434	1,240	2,348	2,630	3,856	2,783	2,577
BELTRAMI	32,903	3,052	4,728	7,483	8,937	5,049	3,654
MALE	16,389	1,573	2,401	3,752	4,562	2,473	1,628
FEMALE	16,514	1,479	2,327	3,731	4,375	2,576	2,026
BENTON	26,434	2,824	4,406	4,761	7,786	3,838	2,819
MALE	13,053	1,435	2,261	2,369	3,913	1,916	1,159
FEMALE	13,381	1,389	2,145	2,392	3,873	1,922	1,660
BIG STONE	8,083	627	1,080	1,305	1,734	1,663	1,674
MALE	3,943	319	535	688	874	828	699
FEMALE	4,140	308	545	617	860	835	975
BLUE EARTH	52,844	4,250	6,526	12,237	15,323	8,313	6,195
MALE	25,794	2,253	3,318	5,865	7,921	3,981	2,456
FEMALE	27,050	1,997	3,208	6,372	7,402	4,332	3,739
BROWN	28,617	2,277	4,062	5,507	7,039	5,230	4,502
MALE	13,883	1,156	2,102	2,685	3,528	2,570	1,842
FEMALE	14,734	1,121	1,960	2,822	3,511	2,660	2,660
CARLTON	29,342	2,221	4,600	5,136	7,752	5,742	3,891
MALE	14,665	1,153	2,403	2,636	3,933	2,842	1,698
FEMALE	14,677	1,068	2,197	2,500	3,819	2,900	2,193

Table 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1983

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
CARVER	39,573	3,472	6,468	7,518	12,047	6,517	3,551
MALE	19,860	1,778	3,350	3,816	6,102	3,343	1,471
FEMALE	19,713	1,694	3,118	3,702	5,945	3,174	2,080
CASS	21,334	1,585	3,045	3,465	4,737	4,290	4,212
MALE	10,541	797	1,506	1,781	2,358	2,081	2,018
FEMALE	10,793	788	1,539	1,684	2,379	2,209	2,194
CHIPPEWA	14,881	1,279	2,069	2,314	3,669	2,857	2,693
MALE	7,281	649	1,060	1,195	1,872	1,375	1,130
FEMALE	7,600	630	1,009	1,119	1,797	1,482	1,563
CHISAGO	27,559	2,448	4,691	4,893	7,652	4,534	3,341
MALE	13,899	1,320	2,423	2,537	3,820	2,298	1,501
FEMALE	13,660	1,128	2,268	2,356	3,832	2,236	1,840
CLAY	49,203	3,584	6,352	12,535	13,568	8,056	5,108
MALE	23,898	1,828	3,217	5,890	6,898	3,923	2,142
FEMALE	25,305	1,756	3,135	6,645	6,670	4,133	2,966
CLEARWATER	9,056	751	1,447	1,601	2,058	1,615	1,584
MALE	4,610	394	740	875	1,031	819	751
FEMALE	4,446	357	707	726	1,027	796	833
COOK	4,286	303	540	673	1,254	839	677
MALE	2,179	166	282	342	650	425	314
FEMALE	2,107	137	258	331	604	414	363
COTTONWOOD	14,178	1,037	2,137	2,216	3,439	2,692	2,657
MALE	6,887	511	1,083	1,151	1,771	1,292	1,079
FEMALE	7,291	526	1,054	1,065	1,668	1,400	1,578
CROW WING	42,287	3,319	6,273	7,133	10,693	7,957	6,912
MALE	20,357	1,678	3,113	3,518	5,266	3,744	3,038
FEMALE	21,930	1,641	3,160	3,615	5,427	4,213	3,874

Table 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1983

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
DAKOTA	208,308	17,859	36,529	38,001	69,505	33,206	13,208
MALE	102,974	9,102	18,538	19,188	33,914	16,778	5,454
FEMALE	105,334	8,757	17,991	18,813	35,591	16,428	7,754
DODGE	15,144	1,468	2,492	2,539	4,172	2,517	1,956
MALE	7,436	720	1,243	1,280	2,096	1,257	840
FEMALE	7,708	748	1,249	1,259	2,076	1,260	1,116
DOUGLAS	29,505	2,387	4,248	5,361	7,381	5,290	4,838
MALE	14,469	1,192	2,141	2,692	3,725	2,581	2,138
FEMALE	15,036	1,195	2,107	2,669	3,656	2,709	2,700
FARIBAULT	19,218	1,487	2,635	3,070	4,606	3,849	3,571
MALE	9,325	737	1,374	1,593	2,354	1,821	1,446
FEMALE	9,893	750	1,261	1,477	2,252	2,028	2,125
FILLMORE	21,915	1,701	3,230	3,531	5,143	4,268	4,042
MALE	10,951	921	1,700	1,853	2,623	2,105	1,749
FEMALE	10,964	780	1,530	1,678	2,520	2,163	2,293
FREEBORN	35,398	2,616	5,093	5,989	9,034	7,176	5,490
MALE	17,384	1,355	2,604	3,076	4,604	3,494	2,251
FEMALE	18,014	1,261	2,489	2,913	4,430	3,682	3,239
GOODHUE	39,385	3,154	5,851	6,831	10,311	7,094	6,144
MALE	19,445	1,631	2,945	3,599	5,276	3,467	2,527
FEMALE	19,940	1,523	2,906	3,232	5,035	3,627	3,617
GRANT	7,209	560	976	1,078	1,608	1,426	1,561
MALE	3,543	292	491	552	810	699	699
FEMALE	3,666	268	485	526	798	727	862
HENNEPIN	945,970	67,961	117,108	158,186	321,135	175,710	105,870
MALE	455,437	34,697	59,671	78,990	158,378	84,488	39,213
FEMALE	490,533	33,264	57,437	79,196	162,757	91,222	66,657

Table 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1983

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
HOUSTON	18,774	1,476	2,829	3,309	4,832	3,544	2,784
MALE	9,362	799	1,444	1,694	2,478	1,733	1,214
FEMALE	9,412	677	1,385	1,615	2,354	1,811	1,570
HUBBARD	15,264	1,199	2,247	2,560	3,710	2,974	2,574
MALE	7,486	583	1,103	1,332	1,815	1,443	1,210
FEMALE	7,778	616	1,144	1,228	1,895	1,531	1,364
ISANTI	25,203	2,042	4,480	4,578	7,474	3,911	2,718
MALE	12,568	1,014	2,321	2,377	3,716	1,969	1,171
FEMALE	12,635	1,028	2,159	2,201	3,758	1,942	1,547
ITASCA	45,047	3,895	7,152	7,650	12,097	8,326	5,927
MALE	22,542	2,002	3,720	3,873	6,146	4,066	2,735
FEMALE	22,505	1,893	3,432	3,777	5,951	4,260	3,192
JACKSON	13,549	1,010	1,974	2,296	3,256	2,749	2,264
MALE	6,755	534	1,010	1,234	1,682	1,326	969
FEMALE	6,794	476	964	1,062	1,574	1,423	1,295
KANABEC	12,366	1,117	1,974	2,160	3,059	2,265	1,791
MALE	6,119	578	1,009	1,095	1,496	1,127	814
FEMALE	6,247	539	965	1,065	1,563	1,138	977
KANDIYOHI	39,520	3,361	5,668	7,176	10,759	6,915	5,641
MALE	19,475	1,735	2,953	3,518	5,409	3,330	2,530
FEMALE	20,045	1,626	2,715	3,658	5,350	3,585	3,111
KITTSON	6,774	573	939	997	1,656	1,317	1,292
MALE	3,389	296	487	512	876	640	578
FEMALE	3,385	277	452	485	780	677	714
KOOCHICHING	16,759	1,323	2,655	2,939	4,520	3,253	2,069
MALE	8,345	692	1,328	1,505	2,278	1,608	934
FEMALE	8,414	631	1,327	1,434	2,242	1,645	1,135

Table 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1983

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
LAC QUI PARLE	10,395	805	1,428	1,601	2,413	2,121	2,027
MALE	5,192	416	710	830	1,283	1,036	917
FEMALE	5,203	389	718	771	1,130	1,085	1,110
LAKE	12,740	946	1,890	2,102	3,512	2,783	1,507
MALE	6,577	522	963	1,084	1,890	1,440	678
FEMALE	6,163	424	927	1,018	1,622	1,343	829
LAKE OF THE WOODS	3,925	315	525	661	957	815	652
MALE	1,961	151	277	363	473	402	295
FEMALE	1,964	164	248	298	484	413	357
LESUEUR	23,585	1,960	3,731	4,234	6,052	4,119	3,489
MALE	11,781	989	1,886	2,235	3,103	2,032	1,536
FEMALE	11,804	971	1,845	1,999	2,949	2,087	1,953
LINCOLN	7,972	618	1,180	1,303	1,718	1,611	1,542
MALE	3,957	306	592	683	876	815	685
FEMALE	4,015	312	588	620	842	796	857
LYON	25,770	2,226	3,688	5,200	6,786	4,345	3,525
MALE	12,827	1,166	1,941	2,643	3,497	2,096	1,484
FEMALE	12,943	1,060	1,747	2,557	3,289	2,249	2,041
MCLEOD	29,971	2,422	4,669	5,046	8,142	5,367	4,325
MALE	14,840	1,258	2,433	2,600	4,079	2,637	1,833
FEMALE	15,131	1,164	2,236	2,446	4,063	2,730	2,492
MAHNOMEN	5,677	513	986	1,062	1,169	1,055	892
MALE	2,900	265	504	549	594	542	446
FEMALE	2,777	248	482	513	575	513	446
MARSHALL	12,804	1,014	2,093	2,144	3,126	2,423	2,004
MALE	6,551	548	1,114	1,121	1,600	1,252	916
FEMALE	6,253	466	979	1,023	1,526	1,171	1,088

Table 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1983

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
MARTIN	24,669	1,901	3,494	3,850	6,401	4,763	4,260
MALE	12,094	1,019	1,814	1,947	3,283	2,267	1,764
FEMALE	12,575	882	1,680	1,903	3,118	2,496	2,496
MEEKER	20,920	1,768	3,305	3,449	5,117	3,904	3,377
MALE	10,365	877	1,686	1,793	2,621	1,927	1,461
FEMALE	10,555	891	1,619	1,656	2,496	1,977	1,916
MILLE LACS	18,316	1,589	2,781	3,225	4,480	3,259	2,982
MALE	9,126	818	1,489	1,707	2,211	1,604	1,297
FEMALE	9,190	771	1,292	1,518	2,269	1,655	1,685
MORRISON	30,046	2,739	5,061	5,681	7,025	5,311	4,229
MALE	14,900	1,425	2,583	2,872	3,536	2,599	1,885
FEMALE	15,146	1,314	2,478	2,809	3,489	2,712	2,344
MOWER	39,816	2,823	5,325	6,937	9,295	8,787	6,649
MALE	19,382	1,483	2,720	3,524	4,725	4,185	2,745
FEMALE	20,434	1,340	2,605	3,413	4,570	4,602	3,904
MURRAY	11,441	899	1,704	1,967	2,624	2,307	1,940
MALE	5,723	445	893	1,001	1,384	1,108	892
FEMALE	5,718	454	811	966	1,240	1,199	1,048
NICOLLET	27,976	2,317	3,943	6,331	7,988	4,397	3,000
MALE	13,864	1,195	1,986	3,099	4,165	2,179	1,240
FEMALE	14,112	1,122	1,957	3,232	3,823	2,218	1,760
NOBLES	21,934	1,699	3,159	3,861	5,396	4,279	3,540
MALE	10,720	854	1,614	2,001	2,741	2,058	1,452
FEMALE	11,214	845	1,545	1,860	2,655	2,221	2,088
NORMAN	9,534	725	1,435	1,436	2,073	1,897	1,968
MALE	4,757	362	734	763	1,055	948	895
FEMALE	4,777	363	701	673	1,018	949	1,073

Table 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1983

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
OLMSTED	95,791	8,160	14,237	17,265	30,828	16,195	9,106
MALE	45,682	4,232	7,248	8,144	14,718	7,974	3,366
FEMALE	50,109	3,928	6,989	9,121	16,110	8,221	5,740
OTTER TAIL	54,864	4,103	7,503	9,120	13,106	10,882	10,150
MALE	27,251	2,100	3,848	4,790	6,688	5,309	4,516
FEMALE	27,613	2,003	3,655	4,330	6,418	5,573	5,634
PENNINGTON	14,036	1,143	2,167	2,542	3,871	2,285	2,028
MALE	6,889	575	1,126	1,273	1,958	1,101	856
FEMALE	7,147	568	1,041	1,269	1,913	1,184	1,172
PINE	20,576	1,750	3,188	3,515	5,092	3,898	3,133
MALE	10,473	886	1,641	1,868	2,692	1,951	1,435
FEMALE	10,103	864	1,547	1,647	2,400	1,947	1,698
PIPESTONE	11,405	882	1,648	1,980	2,566	2,218	2,111
MALE	5,499	427	822	1,041	1,299	1,054	856
FEMALE	5,906	455	826	939	1,267	1,164	1,255
POLK	34,562	2,832	5,213	6,395	8,501	6,281	5,340
MALE	17,083	1,458	2,707	3,256	4,297	3,067	2,298
FEMALE	17,479	1,374	2,506	3,139	4,204	3,214	3,042
POPE	11,854	964	1,686	1,830	2,692	2,380	2,302
MALE	5,908	487	847	978	1,402	1,172	1,022
FEMALE	5,946	477	839	852	1,290	1,208	1,280
RAMSEY	457,123	36,132	59,321	82,457	143,451	81,334	54,428
MALE	218,482	18,706	30,346	40,665	70,642	38,320	19,803
FEMALE	238,641	17,426	28,975	41,792	72,809	43,014	34,625
RED LAKE	5,340	485	853	1,012	1,236	910	844
MALE	2,695	249	401	541	655	450	399
FEMALE	2,645	236	452	471	581	460	445

Table 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1983

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
REDWOOD	18,835	1,507	2,787	3,165	4,496	3,510	3,370
MALE	9,325	762	1,425	1,643	2,297	1,743	1,455
FEMALE	9,510	745	1,362	1,522	2,199	1,767	1,915
RENVILLE	19,685	1,568	2,877	3,292	4,619	3,848	3,481
MALE	9,834	832	1,489	1,726	2,394	1,863	1,530
FEMALE	9,851	736	1,388	1,566	2,225	1,985	1,951
RICE	47,012	3,671	6,690	11,260	12,625	7,353	5,413
MALE	23,190	1,851	3,379	5,788	6,380	3,544	2,248
FEMALE	23,822	1,820	3,311	5,472	6,245	3,809	3,165
ROCK	10,728	876	1,663	1,719	2,606	2,109	1,755
MALE	5,229	450	822	881	1,333	1,000	743
FEMALE	5,499	426	841	838	1,273	1,109	1,012
ROSEAU	12,845	1,138	2,092	2,148	3,231	2,301	1,935
MALE	6,600	618	1,091	1,107	1,675	1,157	952
FEMALE	6,245	520	1,001	1,041	1,556	1,144	983
ST LOUIS	213,622	15,784	29,730	38,580	60,074	39,532	29,922
MALE	104,753	8,183	15,224	19,507	30,635	19,052	12,152
FEMALE	108,869	7,601	14,506	19,073	29,439	20,480	17,770
SCOTT	48,885	4,374	8,577	9,591	15,058	7,598	3,687
MALE	24,647	2,243	4,468	4,961	7,502	3,874	1,599
FEMALE	24,238	2,131	4,109	4,630	7,556	3,724	2,088
SHERBURNE	33,258	3,224	6,086	6,368	10,304	4,672	2,604
MALE	16,967	1,642	3,064	3,423	5,298	2,407	1,133
FEMALE	16,291	1,582	3,022	2,945	5,006	2,265	1,471
SIBLEY	15,671	1,253	2,418	2,557	3,692	3,053	2,698
MALE	7,784	611	1,250	1,290	1,911	1,497	1,225
FEMALE	7,887	642	1,168	1,267	1,781	1,556	1,473

Table 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1983

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
STEARNS	113,815	9,757	16,823	28,423	30,010	17,275	11,527
MALE	56,875	5,085	8,680	13,979	15,387	8,664	5,080
FEMALE	56,940	4,672	8,143	14,444	14,623	8,611	6,447
STEELE	30,498	2,639	4,619	5,448	8,559	5,352	3,881
MALE	15,012	1,349	2,375	2,685	4,335	2,611	1,657
FEMALE	15,486	1,290	2,244	2,763	4,224	2,741	2,224
STEVENS	11,191	869	1,521	2,522	2,733	1,966	1,580
MALE	5,540	464	769	1,307	1,417	919	664
FEMALE	5,651	405	752	1,215	1,316	1,047	916
SWIFT	12,776	1,008	1,879	2,180	2,906	2,485	2,318
MALE	6,329	527	991	1,123	1,501	1,189	998
FEMALE	6,447	481	888	1,057	1,405	1,296	1,320
TODD	26,034	2,336	4,232	4,630	6,010	4,708	4,118
MALE	13,076	1,190	2,183	2,396	3,077	2,322	1,908
FEMALE	12,958	1,146	2,049	2,234	2,933	2,386	2,210
TRAVERSE	5,402	396	728	893	1,082	1,165	1,138
MALE	2,694	212	389	448	559	569	517
FEMALE	2,708	184	339	445	523	596	621
WABASHA	19,178	1,615	2,978	3,287	4,954	3,375	2,969
MALE	9,529	830	1,531	1,666	2,550	1,707	1,245
FEMALE	9,649	785	1,447	1,621	2,404	1,668	1,724
WADENA	14,001	1,161	2,187	2,575	3,225	2,578	2,275
MALE	6,888	593	1,081	1,350	1,598	1,276	990
FEMALE	7,113	568	1,106	1,225	1,627	1,302	1,285
WASECA	18,711	1,701	2,864	3,370	4,973	3,205	2,598
MALE	9,299	879	1,479	1,782	2,543	1,545	1,071
FEMALE	9,412	822	1,385	1,588	2,430	1,660	1,527

Table 31

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1983

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
WASHINGTON	120,502	9,980	21,347	22,760	39,150	20,005	7,260
MALE	61,033	5,154	10,935	11,801	19,722	10,380	3,041
FEMALE	59,469	4,826	10,412	10,959	19,428	9,625	4,219
WATONWAN	12,046	1,012	1,649	1,862	2,942	2,441	2,140
MALE	5,961	509	842	992	1,518	1,172	928
FEMALE	6,085	503	807	870	1,424	1,269	1,212
WILKIN	8,348	656	1,242	1,545	1,933	1,648	1,324
MALE	4,167	328	641	858	987	802	551
FEMALE	4,181	328	601	687	946	846	773
WINONA	46,478	3,529	6,146	10,677	12,307	7,567	6,252
MALE	22,299	1,832	3,180	4,854	6,218	3,700	2,515
FEMALE	24,179	1,697	2,966	5,823	6,089	3,867	3,737
WRIGHT	62,199	6,105	11,389	11,066	17,932	9,233	6,474
MALE	31,094	3,107	5,838	5,621	8,992	4,693	2,843
FEMALE	31,105	2,998	5,551	5,445	8,940	4,540	3,631
YELLOW MEDICINE	13,095	1,019	1,776	2,356	2,955	2,571	2,418
MALE	6,568	514	918	1,259	1,558	1,238	1,081
FEMALE	6,527	505	858	1,097	1,397	1,333	1,337
MINNEAPOLIS	364,160	27,498	37,325	55,893	132,405	55,624	55,415
MALE	171,568	13,879	18,914	27,364	66,752	25,711	18,948
FEMALE	192,592	13,619	18,411	28,529	65,653	29,913	36,467
ST PAUL	268,750	22,505	32,545	45,773	83,050	44,440	40,437
MALE	125,834	11,561	16,628	22,255	41,144	20,178	14,068
FEMALE	142,916	10,944	15,917	23,518	41,906	24,262	26,369
DULUTH	87,061	6,611	10,667	16,784	24,530	15,156	13,313
MALE	41,248	3,362	5,440	8,262	12,205	7,110	4,869
FEMALE	45,813	3,249	5,227	8,522	12,325	8,046	8,444

---

* Prepared by MCHS using State Demographer's county totals as input.

** As of 1980 Census.

Appendices

APPENDIX A

DEFINITIONS

DEFINITIONS

Residence: This is the geographic area of the usual place of abode of the deceased at the time of death or of the mother in the case of live births or fetal deaths. This means, in general, the place where one lives and sleeps most of the time. However, when usual residence is in a nursing home or other institution, where the patient resided for the purpose of receiving care, residence is coded to the place where the patient lived prior to admission to the institution.

Region: Region refers to the eight Minnesota Department of Health Districts. Region names and counties within regions follow:

Northwestern:	Beltrami, Clearwater, Hubbard, Kittson, Lake of the Woods, Mahnomen, Marshall, Norman, Pennington, Polk, Red Lake, and Roseau
Northeastern:	Aitkin, Carlton, Cook, Itasca, Koochiching, Lake, and St. Louis
West Central:	Becker, Clay, Douglas, Grant, Otter Tail, Pope, Stevens, Traverse, and Wilkin
Central:	Benton, Cass, Chisago, Crow Wing, Isanti, Kanabec, Mille Lacs, Morrison, Pine, Sherburne, Stearns, Todd, Wadena, and Wright
Southwestern:	Big Stone, Chippewa, Cottonwood, Jackson, Kandiyohi, Lac Qui Parle, Lincoln, Lyon, McLeod, Meeker, Murray, Nobles, Pipestone, Redwood, Renville, Rock, Swift, and Yellow Medicine
South Central:	Blue Earth, Brown, Faribault, Le Sueur, Martin, Nicollet, Sibley, Waseca, and Watonwan
Southeastern:	Dodge, Fillmore, Freeborn, Goodhue, Houston, Mower, Olmsted, Rice, Steele, Wabasha, and Winona
Metropolitan:	Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington.

Rate: Rates are given per 1,000 except for certain causes of death when they are stated as per 100,000.

Live Birth: Live birth means the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached, each product of such a birth is considered a live born.

Birth Rate: The number of live births per 1,000 population.

Fertility Rate: The number of live births per 1,000 women in the population of age 15 through 44 years.

High Risk Birth: A birth is classified as high risk if any of the following conditions exist:

Mother's age: Less than 17 years or over 39 years.
Prenatal care: Less than 3 visits.
Condition not related to pregnancy: Tuberculosis, rubella, diabetes, cardiac condition, or urinary tract infection.
Condition related to pregnancy: Hydramnios or toxemia.
Condition of labor: Prolonged labor.
Birth weight: 2,499 grams or less (5 lb. 8 oz.)
Birth injury: To brain, spinal cord, fractures, other bone injury, paralysis, or nerve injuries.
Birth condition: Hemolytic diseases of newborn, hyaline membrane D, respiratory distress syndrome, or atelectasis.
Congenital anomaly.

Live Birth Order: The number of live births including the current birth.

Fetal Death: Fetal death is death prior to the complete expulsion or extraction of a product of conception from its mother, irrespective of the duration of pregnancy. In this summary only the fetal deaths of 20 weeks or more are reported.

Fetal Death Order: The number of fetal deaths including the current fetal death.

Maternal Death: Maternal death is a death attributable to delivery or a complication of pregnancy, childbirth, or the puerperium, as defined by the International Classification of Diseases.

Infant Death: A death under one year of age.

Infant Death Rate: Number of deaths under one year of age per 1,000 live births.

Neonatal Death: A death to an infant under 28 days of age.

Neonatal Death Rate: Number of infants dying under 28 days of age per 1,000 live births.

Perinatal Mortality Rate: The number of fetal deaths of 20 weeks or more plus the number of neonatal deaths per 1,000 live births.

Cause of Death: The Ninth Revision of the International Classification of Diseases (ICD) was used.

Age/Cause Specific Death Rate: Number of deaths from a specified cause within a specified age group per 100,000 population in the same age group.

Adjusted Death Rates: Total rates for counties and cities are adjusted for sex and age on the basis of the state population.

Specific age group rates for counties and cities have been adjusted for sex on the basis of the state population for the specific age group.

APPENDIX B

OTHER RECENT SELECTED PUBLICATIONS

OTHER RECENT SELECTED PUBLICATIONS AVAILABLE

REPORTED INDUCED ABORTIONS, MINNESOTA

1982, Published February, 1984

SMOKING AND THE MINNESOTA POPULATION--A REPORT ON SMOKING AS A BEHAVIORAL RISK TO GOOD HEALTH

Published February, 1983

1984 MINNESOTA HEALTH PROFILES

Published April, 1985

ALCOHOL AND THE MINNESOTA POPULATION--A REPORT ON ALCOHOL AS A BEHAVIORAL RISK TO GOOD HEALTH

Published August, 1983

AN OVERVIEW OF BIRTH DEFECTS IN MINNESOTA, 1950-1980

Published February, 1984

Additional related publications may be out of print. Xerox copies of specific data, as well as other birth, fetal death, death, abortion, marriage, or divorce information, may be obtained on request by contacting:

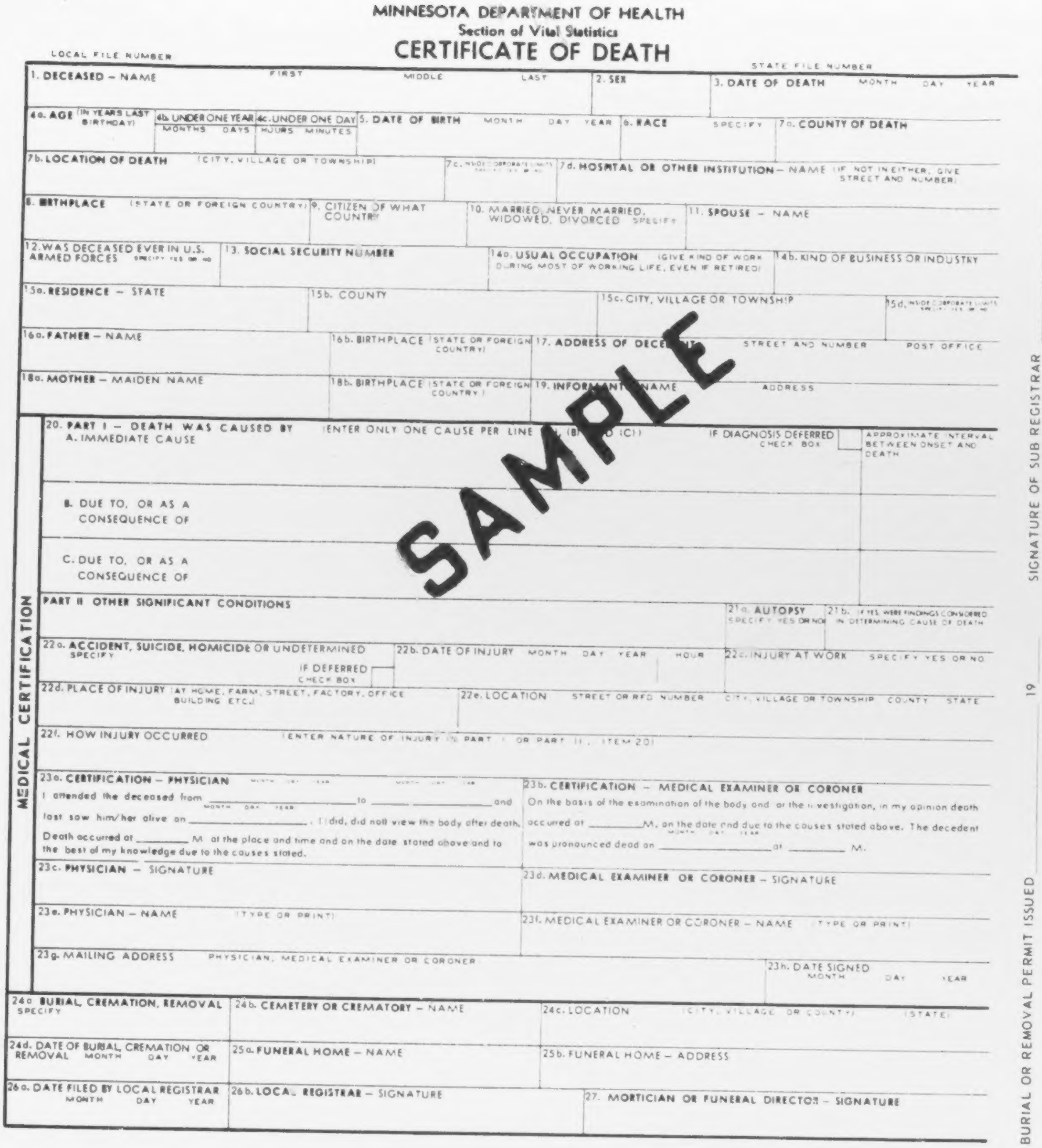
Minnesota Department of Health
Minnesota Center for Health Statistics
717 Delaware Street S.E.
P.O. Box 9441
Minneapolis, Minnesota 55440

Telephone Number: (612) 623-5353

APPENDIX C

DATA COLLECTION INSTRUMENTS

Figure 1



MINNESOTA DEPARTMENT OF HEALTH
Section of Vital Statistics
CERTIFICATE OF DEATH

LOCAL FILE NUMBER
STATE FILE NUMBER

1. DECEASED – NAME FIRST MIDDLE LAST
2. SEX
3. DATE OF DEATH MONTH DAY YEAR
4a. AGE (IN YEARS LAST BIRTHDAY)
4b. UNDER ONE YEAR MONTHS DAYS
4c. UNDER ONE DAY HOURS MINUTES
5. DATE OF BIRTH MONTH DAY YEAR
6. RACE SPECIFY
7a. COUNTY OF DEATH
7b. LOCATION OF DEATH (CITY, VILLAGE OR TOWNSHIP)
7c. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
7d. HOSPITAL OR OTHER INSTITUTION – NAME (IF NOT IN EITHER, GIVE STREET AND NUMBER)
8. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
9. CITIZEN OF WHAT COUNTRY
10. MARRIED, NEVER MARRIED, WIDOWED, DIVORCED SPECIFY
11. SPOUSE – NAME
12. WAS DECEASED EVER IN U.S. ARMED FORCES SPECIFY YES OR NO
13. SOCIAL SECURITY NUMBER
14a. USUAL OCCUPATION (GIVE KIND OF WORK DURING MOST OF WORKING LIFE, EVEN IF RETIRED)
14b. KIND OF BUSINESS OR INDUSTRY
15a. RESIDENCE – STATE
15b. COUNTY
15c. CITY, VILLAGE OR TOWNSHIP
15d. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
16a. FATHER – NAME
16b. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
17. ADDRESS OF DECEDENT STREET AND NUMBER POST OFFICE
18a. MOTHER – MAIDEN NAME
18b. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
19. INFORMANT – NAME ADDRESS

MEDICAL CERTIFICATION

20. PART I – DEATH WAS CAUSED BY (ENTER ONLY ONE CAUSE PER LINE (A), (B) AND (C))
A. IMMEDIATE CAUSE
IF DIAGNOSIS DEFERRED CHECK BOX ☐
APPROXIMATE INTERVAL BETWEEN ONSET AND DEATH
B. DUE TO, OR AS A CONSEQUENCE OF
C. DUE TO, OR AS A CONSEQUENCE OF
PART II OTHER SIGNIFICANT CONDITIONS
21a. AUTOPSY SPECIFY YES OR NO
21b. IF YES, WERE FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH
22a. ACCIDENT, SUICIDE, HOMICIDE OR UNDETERMINED SPECIFY
IF DEFERRED CHECK BOX ☐
22b. DATE OF INJURY MONTH DAY YEAR HOUR
22c. INJURY AT WORK SPECIFY YES OR NO
22d. PLACE OF INJURY (AT HOME, FARM, STREET, FACTORY, OFFICE BUILDING, ETC.)
22e. LOCATION STREET OR RFD NUMBER CITY, VILLAGE OR TOWNSHIP COUNTY STATE
22f. HOW INJURY OCCURRED (ENTER NATURE OF INJURY IN PART I OR PART II, ITEM 20)

23a. CERTIFICATION – PHYSICIAN
I attended the deceased from ______________ to ______________ and last saw him/her alive on ______________. I did, did not view the body after death. Death occurred at ________ M. at the place and time and on the date stated above and to the best of my knowledge due to the causes stated.
MONTH DAY YEAR

23b. CERTIFICATION – MEDICAL EXAMINER OR CORONER
On the basis of the examination of the body and/or the investigation, in my opinion death occurred at ________ M. on the date and due to the causes stated above. The decedent was pronounced dead on ______________ at ________ M.
MONTH DAY YEAR

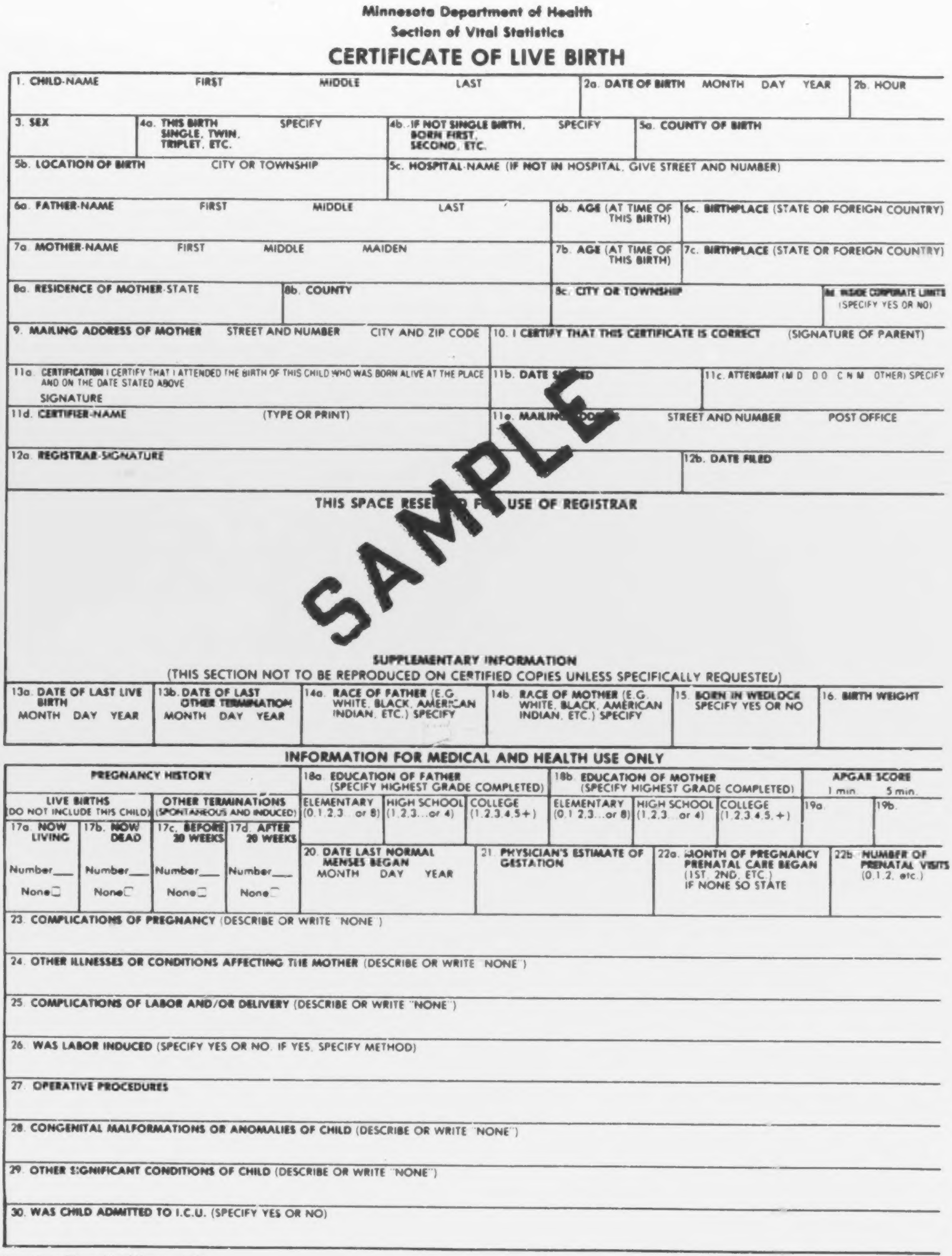
23c. PHYSICIAN – SIGNATURE
23d. MEDICAL EXAMINER OR CORONER – SIGNATURE
23e. PHYSICIAN – NAME (TYPE OR PRINT)
23f. MEDICAL EXAMINER OR CORONER – NAME (TYPE OR PRINT)
23g. MAILING ADDRESS PHYSICIAN, MEDICAL EXAMINER OR CORONER
23h. DATE SIGNED MONTH DAY YEAR

24a. BURIAL, CREMATION, REMOVAL SPECIFY
24b. CEMETERY OR CREMATORY – NAME
24c. LOCATION (CITY, VILLAGE OR COUNTY) (STATE)
24d. DATE OF BURIAL, CREMATION OR REMOVAL MONTH DAY YEAR
25a. FUNERAL HOME – NAME
25b. FUNERAL HOME – ADDRESS
26a. DATE FILED BY LOCAL REGISTRAR MONTH DAY YEAR
26b. LOCAL REGISTRAR – SIGNATURE
27. MORTICIAN OR FUNERAL DIRECTOR – SIGNATURE

SIGNATURE OF SUB REGISTRAR
19
BURIAL OR REMOVAL PERMIT ISSUED

SAMPLE

Figure 2



Minnesota Department of Health
Section of Vital Statistics

CERTIFICATE OF LIVE BIRTH

1. **CHILD-NAME** FIRST MIDDLE LAST	2a. **DATE OF BIRTH** MONTH DAY YEAR	2b. HOUR

3. **SEX**	4a. **THIS BIRTH SINGLE, TWIN, TRIPLET, ETC.** SPECIFY	4b. **IF NOT SINGLE BIRTH, BORN FIRST, SECOND, ETC.** SPECIFY	5a. **COUNTY OF BIRTH**

5b. **LOCATION OF BIRTH** CITY OR TOWNSHIP	5c. **HOSPITAL-NAME** (IF NOT IN HOSPITAL, GIVE STREET AND NUMBER)

6a. **FATHER-NAME** FIRST MIDDLE LAST	6b. **AGE** (AT TIME OF THIS BIRTH)	6c. **BIRTHPLACE** (STATE OR FOREIGN COUNTRY)
7a. **MOTHER-NAME** FIRST MIDDLE MAIDEN	7b. **AGE** (AT TIME OF THIS BIRTH)	7c. **BIRTHPLACE** (STATE OR FOREIGN COUNTRY)

8a. **RESIDENCE OF MOTHER-STATE**	8b. **COUNTY**	8c. **CITY OR TOWNSHIP**	8d. **INSIDE CORPORATE LIMITS** (SPECIFY YES OR NO)

9. **MAILING ADDRESS OF MOTHER** STREET AND NUMBER CITY AND ZIP CODE	10. I **CERTIFY THAT THIS CERTIFICATE IS CORRECT** (SIGNATURE OF PARENT)

11a. **CERTIFICATION** I CERTIFY THAT I ATTENDED THE BIRTH OF THIS CHILD WHO WAS BORN ALIVE AT THE PLACE AND ON THE DATE STATED ABOVE SIGNATURE	11b. **DATE SIGNED**	11c. **ATTENDANT** (M.D. D.O. C.N.M. OTHER) SPECIFY

11d. **CERTIFIER-NAME** (TYPE OR PRINT)	11e. **MAILING ADDRESS** STREET AND NUMBER POST OFFICE
12a. **REGISTRAR-SIGNATURE**	12b. **DATE FILED**

THIS SPACE RESERVED FOR USE OF REGISTRAR

SAMPLE

SUPPLEMENTARY INFORMATION
(THIS SECTION NOT TO BE REPRODUCED ON CERTIFIED COPIES UNLESS SPECIFICALLY REQUESTED)

13a. **DATE OF LAST LIVE BIRTH** MONTH DAY YEAR	13b. **DATE OF LAST OTHER TERMINATION** MONTH DAY YEAR	14a. **RACE OF FATHER** (E.G. WHITE, BLACK, AMERICAN INDIAN, ETC.) SPECIFY	14b. **RACE OF MOTHER** (E.G. WHITE, BLACK, AMERICAN INDIAN, ETC.) SPECIFY	15. **BORN IN WEDLOCK** SPECIFY YES OR NO	16. **BIRTH WEIGHT**

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

PREGNANCY HISTORY				18a. **EDUCATION OF FATHER** (SPECIFY HIGHEST GRADE COMPLETED)			18b. **EDUCATION OF MOTHER** (SPECIFY HIGHEST GRADE COMPLETED)			**APGAR SCORE**	
LIVE BIRTHS (DO NOT INCLUDE THIS CHILD)		**OTHER TERMINATIONS** (SPONTANEOUS AND INDUCED)		ELEMENTARY (0,1,2,3...or 8)	HIGH SCHOOL (1,2,3...or 4)	COLLEGE (1,2,3,4,5+)	ELEMENTARY (0,1,2,3...or 8)	HIGH SCHOOL (1,2,3...or 4)	COLLEGE (1,2,3,4,5,+)	1 min. 19a.	5 min. 19b.
17a. **NOW LIVING** Number___ None☐	17b. **NOW DEAD** Number___ None☐	17c. **BEFORE 20 WEEKS** Number___ None☐	17d. **AFTER 20 WEEKS** Number___ None☐	20. **DATE LAST NORMAL MENSES BEGAN** MONTH DAY YEAR		21. **PHYSICIAN'S ESTIMATE OF GESTATION**		22a. **MONTH OF PREGNANCY PRENATAL CARE BEGAN** (1ST, 2ND, ETC.) IF NONE SO STATE		22b. **NUMBER OF PRENATAL VISITS** (0,1,2, etc.)	

23. **COMPLICATIONS OF PREGNANCY** (DESCRIBE OR WRITE "NONE")

24. **OTHER ILLNESSES OR CONDITIONS AFFECTING THE MOTHER** (DESCRIBE OR WRITE "NONE")

25. **COMPLICATIONS OF LABOR AND/OR DELIVERY** (DESCRIBE OR WRITE "NONE")

26. **WAS LABOR INDUCED** (SPECIFY YES OR NO. IF YES, SPECIFY METHOD)

27. **OPERATIVE PROCEDURES**

28. **CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD** (DESCRIBE OR WRITE "NONE")

29. **OTHER SIGNIFICANT CONDITIONS OF CHILD** (DESCRIBE OR WRITE "NONE")

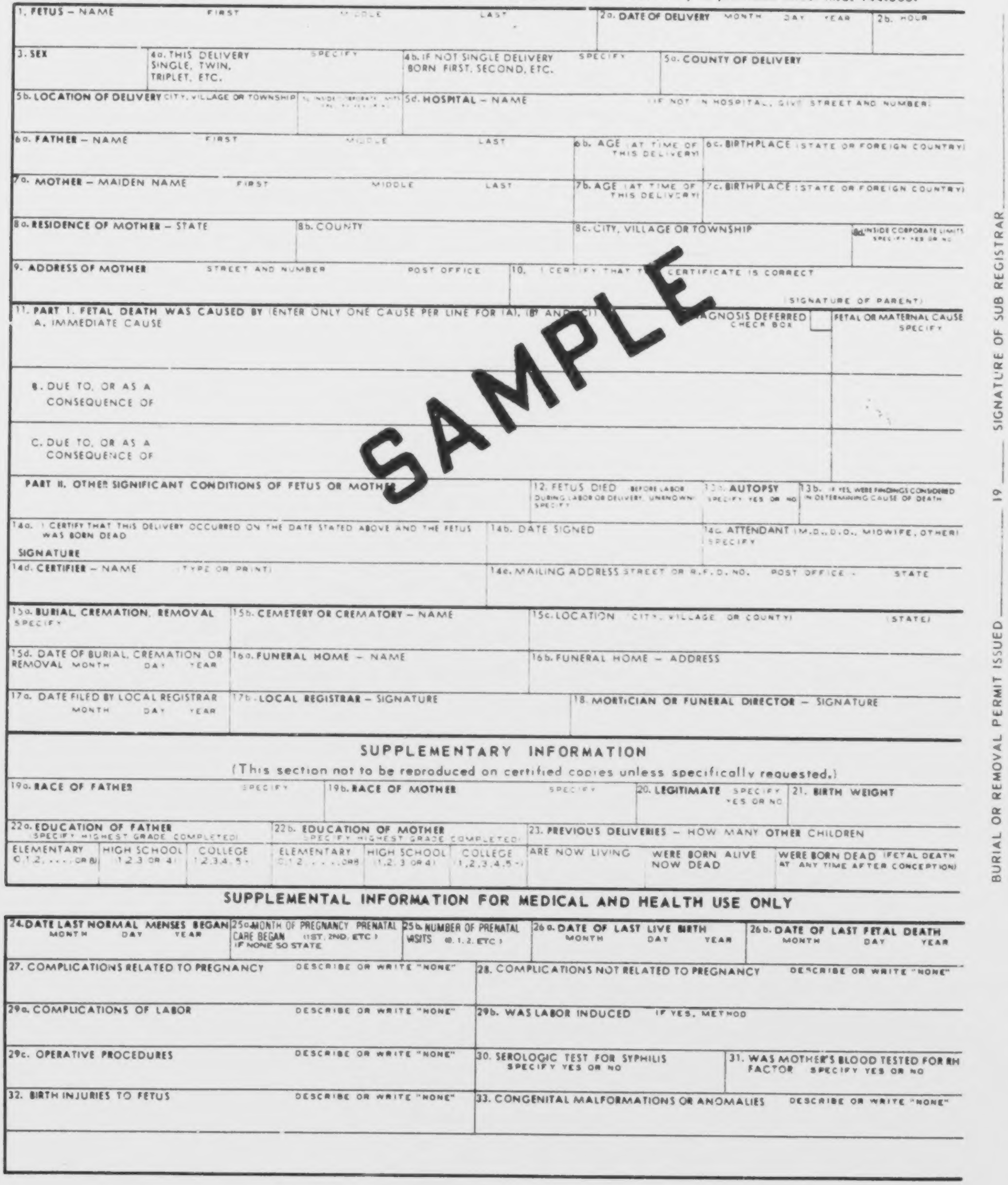
30. **WAS CHILD ADMITTED TO I.C.U.** (SPECIFY YES OR NO)

Important: Please Read Reverse Side

Figure 3

Margin
Reserved
for
Coding

Mail Directly to
Section of Vital Statistics
Minnesota Dept. of Health
St. Paul, Minn. 55101



MINNESOTA DEPARTMENT OF HEALTH

Section of Vital Statistics

MEDICAL SUPPLEMENT TO THE

CERTIFICATE OF FETAL DEATH

This information is to be used solely for medical or scientific purposes. Confidentiality is provided under M.S. 144.053.

1. **FETUS** – NAME FIRST MIDDLE LAST	2a. **DATE OF DELIVERY** MONTH DAY YEAR	2b. HOUR

3. **SEX**	4a. THIS DELIVERY SINGLE, TWIN, TRIPLET, ETC. SPECIFY	4b. IF NOT SINGLE DELIVERY BORN FIRST, SECOND, ETC. SPECIFY	5a. **COUNTY OF DELIVERY**

5b. **LOCATION OF DELIVERY** CITY, VILLAGE OR TOWNSHIP	[illegible]	5d. **HOSPITAL** – NAME (IF NOT IN HOSPITAL, GIVE STREET AND NUMBER)

6a. **FATHER** – NAME FIRST MIDDLE LAST	6b. AGE (AT TIME OF THIS DELIVERY)	6c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
7a. **MOTHER** – MAIDEN NAME FIRST MIDDLE LAST	7b. AGE (AT TIME OF THIS DELIVERY)	7c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)

8a. **RESIDENCE OF MOTHER** – STATE	8b. COUNTY	8c. CITY, VILLAGE OR TOWNSHIP	8d. INSIDE CORPORATE LIMITS SPECIFY YES OR NO

9. **ADDRESS OF MOTHER** STREET AND NUMBER POST OFFICE	10. I CERTIFY THAT THE CERTIFICATE IS CORRECT (SIGNATURE OF PARENT)

11. **PART I. FETAL DEATH WAS CAUSED BY** (ENTER ONLY ONE CAUSE PER LINE FOR (A), (B) AND (C)) A. IMMEDIATE CAUSE	DIAGNOSIS DEFERRED CHECK BOX ☐	**FETAL OR MATERNAL CAUSE** SPECIFY
B. DUE TO, OR AS A CONSEQUENCE OF		
C. DUE TO, OR AS A CONSEQUENCE OF		

PART II. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER	12. FETUS DIED BEFORE LABOR DURING LABOR OR DELIVERY, UNKNOWN SPECIFY	13a. **AUTOPSY** SPECIFY YES OR NO	13b. IF YES, WERE FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH

14a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD **SIGNATURE**	14b. DATE SIGNED	14c. ATTENDANT (M.D., D.O., MIDWIFE, OTHER) SPECIFY
14d. **CERTIFIER** – NAME (TYPE OR PRINT)	14e. MAILING ADDRESS STREET OR R.F.D. NO. POST OFFICE – STATE	

15a. **BURIAL, CREMATION, REMOVAL** SPECIFY	15b. **CEMETERY OR CREMATORY** – NAME	15c. LOCATION (CITY, VILLAGE OR COUNTY) (STATE)
15d. DATE OF BURIAL, CREMATION OR REMOVAL MONTH DAY YEAR	16a. **FUNERAL HOME** – NAME	16b. FUNERAL HOME – ADDRESS
17a. DATE FILED BY LOCAL REGISTRAR MONTH DAY YEAR	17b. **LOCAL REGISTRAR** – SIGNATURE	18. **MORTICIAN OR FUNERAL DIRECTOR** – SIGNATURE

SUPPLEMENTARY INFORMATION

(This section not to be reproduced on certified copies unless specifically requested.)

19a. **RACE OF FATHER** SPECIFY	19b. **RACE OF MOTHER** SPECIFY	20. **LEGITIMATE** SPECIFY YES OR NO	21. **BIRTH WEIGHT**

22a. **EDUCATION OF FATHER** (SPECIFY HIGHEST GRADE COMPLETED)			22b. **EDUCATION OF MOTHER** (SPECIFY HIGHEST GRADE COMPLETED)			23. **PREVIOUS DELIVERIES** – HOW MANY **OTHER** CHILDREN		
ELEMENTARY (0,1,2, ..., OR 8)	HIGH SCHOOL (1,2,3 OR 4)	COLLEGE (1,2,3,4,5+)	ELEMENTARY (0,1,2, ..., OR 8)	HIGH SCHOOL (1,2,3 OR 4)	COLLEGE (1,2,3,4,5+)	ARE NOW LIVING	WERE BORN ALIVE NOW DEAD	WERE BORN DEAD (FETAL DEATH AT ANY TIME AFTER CONCEPTION)

SUPPLEMENTAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

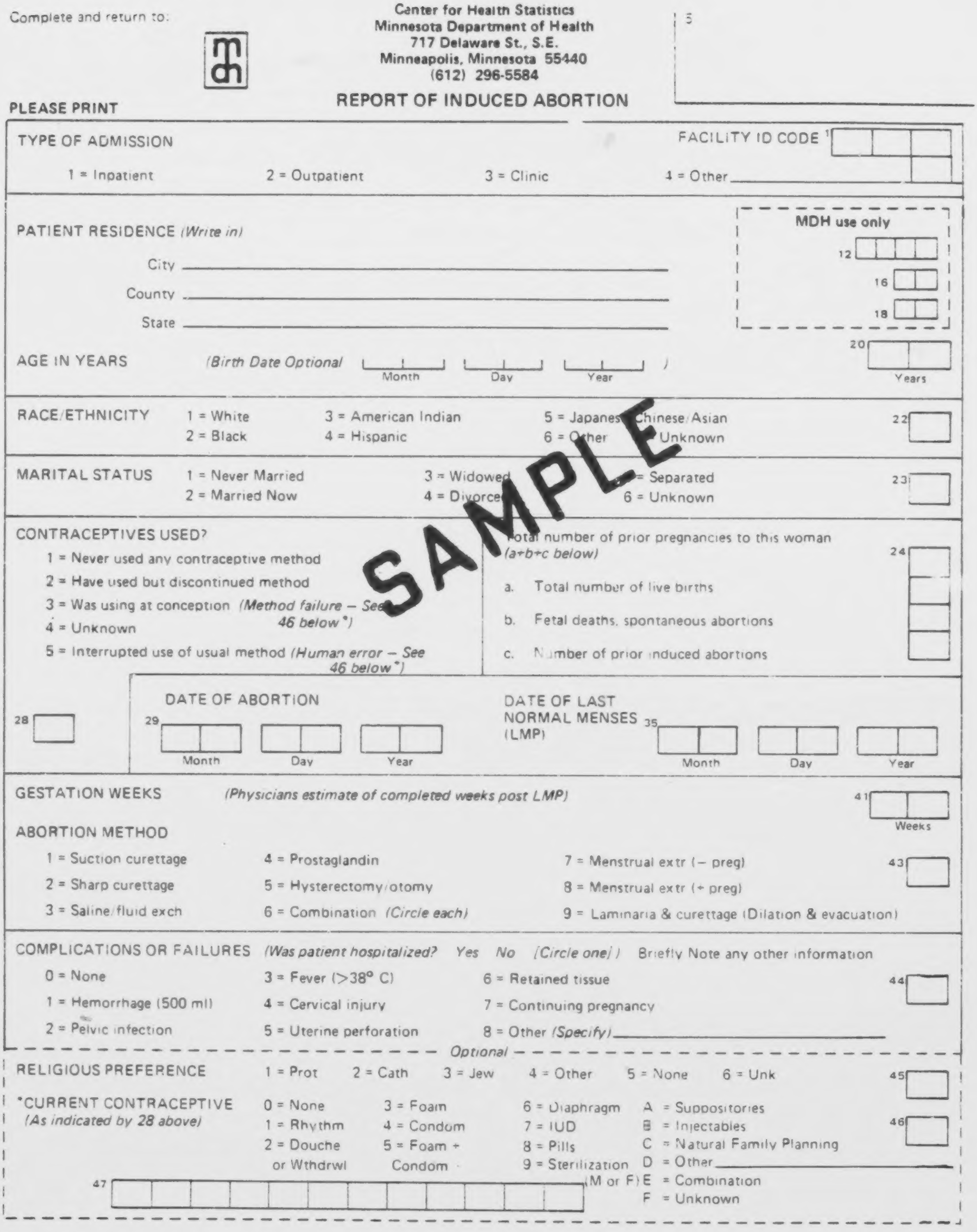
24. **DATE LAST NORMAL MENSES BEGAN** MONTH DAY YEAR	25a. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1ST, 2ND, ETC.) IF NONE SO STATE	25b. NUMBER OF PRENATAL VISITS (0, 1, 2, ETC.)	26a. **DATE OF LAST LIVE BIRTH** MONTH DAY YEAR	26b. **DATE OF LAST FETAL DEATH** MONTH DAY YEAR

27. COMPLICATIONS RELATED TO PREGNANCY DESCRIBE OR WRITE "NONE"	28. COMPLICATIONS NOT RELATED TO PREGNANCY DESCRIBE OR WRITE "NONE"	
29a. COMPLICATIONS OF LABOR DESCRIBE OR WRITE "NONE"	29b. WAS LABOR INDUCED IF YES, METHOD	
29c. OPERATIVE PROCEDURES DESCRIBE OR WRITE "NONE"	30. SEROLOGIC TEST FOR SYPHILIS SPECIFY YES OR NO	31. WAS MOTHER'S BLOOD TESTED FOR RH FACTOR SPECIFY YES OR NO
32. BIRTH INJURIES TO FETUS DESCRIBE OR WRITE "NONE"	33. CONGENITAL MALFORMATIONS OR ANOMALIES DESCRIBE OR WRITE "NONE"	

BURIAL OR REMOVAL PERMIT ISSUED ________ 19 ______ SIGNATURE OF SUB REGISTRAR

SAMPLE

Figure 4



Complete and return to:

Center for Health Statistics
Minnesota Department of Health
717 Delaware St., S.E.
Minneapolis, Minnesota 55440
(612) 296-5584

5

PLEASE PRINT

REPORT OF INDUCED ABORTION

TYPE OF ADMISSION — FACILITY ID CODE 1

1 = Inpatient   2 = Outpatient   3 = Clinic   4 = Other ________

PATIENT RESIDENCE *(Write in)*

City ________

County ________

State ________

MDH use only 12 16 18

AGE IN YEARS *(Birth Date Optional* Month Day Year *)* 20 Years

RACE/ETHNICITY 1 = White 2 = Black 3 = American Indian 4 = Hispanic 5 = Japanese/Chinese/Asian 6 = Other 7 = Unknown 22

MARITAL STATUS 1 = Never Married 2 = Married Now 3 = Widowed 4 = Divorced 5 = Separated 6 = Unknown 23

CONTRACEPTIVES USED?

1 = Never used any contraceptive method

2 = Have used but discontinued method

3 = Was using at conception *(Method failure — See 46 below*)*

4 = Unknown

5 = Interrupted use of usual method *(Human error — See 46 below*)*

28

Total number of prior pregnancies to this woman *(a+b+c below)* 24

a. Total number of live births

b. Fetal deaths, spontaneous abortions

c. Number of prior induced abortions

DATE OF ABORTION 29 Month Day Year

DATE OF LAST NORMAL MENSES (LMP) 35 Month Day Year

GESTATION WEEKS *(Physicians estimate of completed weeks post LMP)* 41 Weeks

ABORTION METHOD 43

1 = Suction curettage

2 = Sharp curettage

3 = Saline/fluid exch

4 = Prostaglandin

5 = Hysterectomy/otomy

6 = Combination *(Circle each)*

7 = Menstrual extr (− preg)

8 = Menstrual extr (+ preg)

9 = Laminaria & curettage (Dilation & evacuation)

COMPLICATIONS OR FAILURES *(Was patient hospitalized?* Yes No *(Circle one))* Briefly Note any other information 44

0 = None

1 = Hemorrhage (500 ml)

2 = Pelvic infection

3 = Fever (>38° C)

4 = Cervical injury

5 = Uterine perforation

6 = Retained tissue

7 = Continuing pregnancy

8 = Other *(Specify)* ________

Optional

RELIGIOUS PREFERENCE 1 = Prot 2 = Cath 3 = Jew 4 = Other 5 = None 6 = Unk 45

*CURRENT CONTRACEPTIVE *(As indicated by 28 above)* 46

0 = None

1 = Rhythm

2 = Douche or Wthdrwl

3 = Foam

4 = Condom

5 = Foam + Condom

6 = Diaphragm

7 = IUD

8 = Pills

9 = Sterilization (M or F)

A = Suppositories

B = Injectables

C = Natural Family Planning

D = Other ________

E = Combination

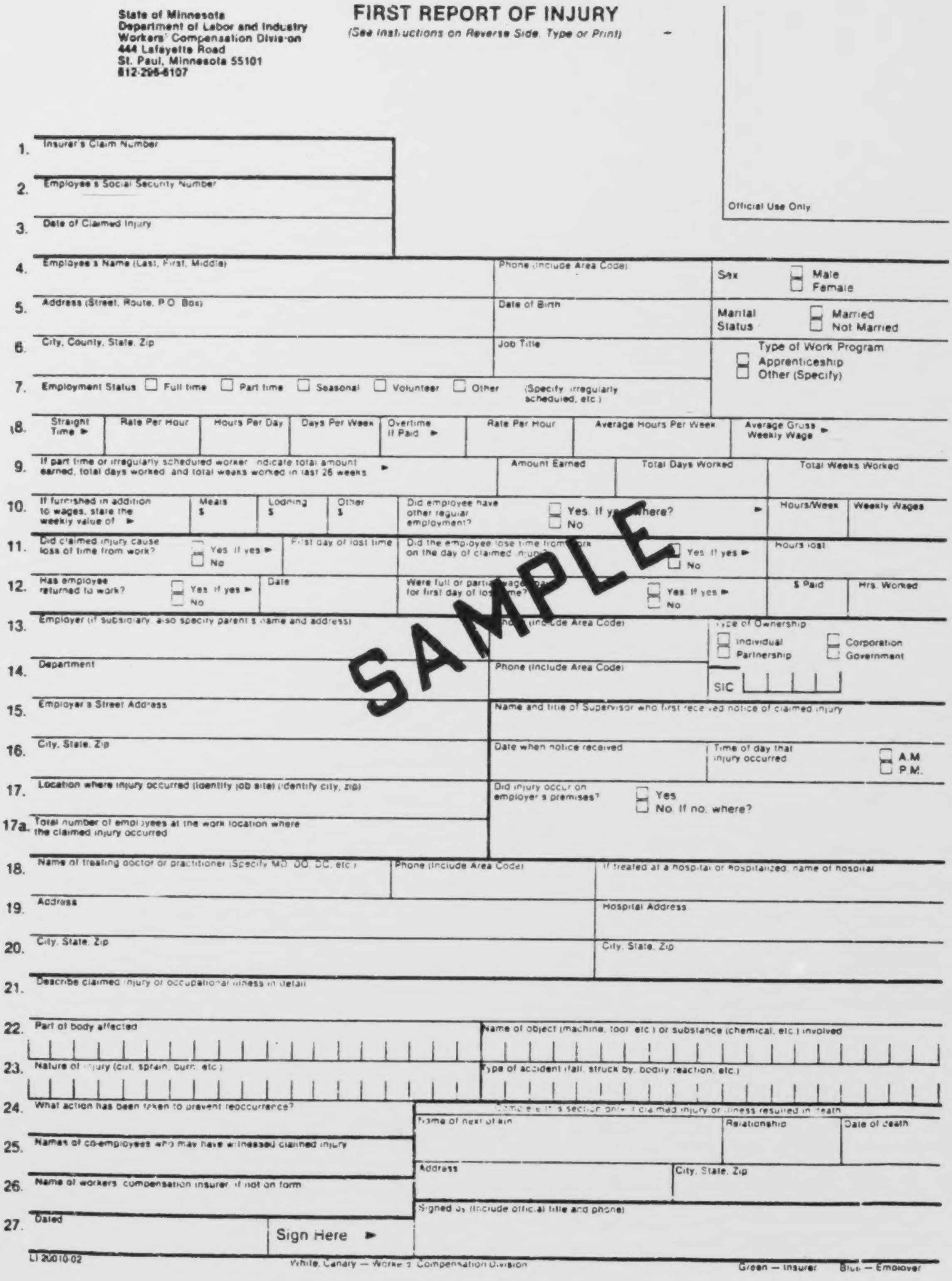
F = Unknown

47

HE-01160-02 (4-81)

SAMPLE

Figure 5



State of Minnesota
Department of Labor and Industry
Workers' Compensation Division
444 Lafayette Road
St. Paul, Minnesota 55101
612-296-6107

FIRST REPORT OF INJURY

(See Instructions on Reverse Side. Type or Print)

Official Use Only

1. Insurer's Claim Number
2. Employee's Social Security Number
3. Date of Claimed Injury
4. Employee's Name (Last, First, Middle) | Phone (Include Area Code) | Sex ☐ Male ☐ Female
5. Address (Street, Route, P.O. Box) | Date of Birth | Marital Status ☐ Married ☐ Not Married
6. City, County, State, Zip | Job Title | Type of Work Program ☐ Apprenticeship ☐ Other (Specify)
7. Employment Status ☐ Full time ☐ Part time ☐ Seasonal ☐ Volunteer ☐ Other (Specify: irregularly scheduled, etc.)
8. Straight Time ► | Rate Per Hour | Hours Per Day | Days Per Week | Overtime If Paid ► | Rate Per Hour | Average Hours Per Week | Average Gross Weekly Wage ►
9. If part time or irregularly scheduled worker, indicate total amount earned, total days worked and total weeks worked in last 26 weeks ► | Amount Earned | Total Days Worked | Total Weeks Worked
10. If furnished in addition to wages, state the weekly value of ► | Meals $ | Lodging $ | Other $ | Did employee have other regular employment? ☐ Yes. If yes, where? ► ☐ No | Hours/Week | Weekly Wages
11. Did claimed injury cause loss of time from work? ☐ Yes. If yes ► ☐ No | First day of lost time | Did the employee lose time from work on the day of claimed injury? ☐ Yes. If yes ► ☐ No | Hours lost
12. Has employee returned to work? ☐ Yes. If yes ► ☐ No | Date | Were full or partial wages paid for first day of lost time? ☐ Yes. If yes ► ☐ No | $ Paid | Hrs. Worked
13. Employer (if subsidiary, also specify parent's name and address) | Phone (Include Area Code) | Type of Ownership ☐ Individual ☐ Partnership ☐ Corporation ☐ Government
14. Department | Phone (Include Area Code) | SIC
15. Employer's Street Address | Name and title of Supervisor who first received notice of claimed injury
16. City, State, Zip | Date when notice received | Time of day that injury occurred ☐ A.M. ☐ P.M.
17. Location where injury occurred (identify job site) (identify city, zip) | Did injury occur on employer's premises? ☐ Yes ☐ No. If no, where?

17a. Total number of employees at the work location where the claimed injury occurred

18. Name of treating doctor or practitioner (Specify MD, DO, DC, etc.) | Phone (Include Area Code) | If treated at a hospital or hospitalized, name of hospital
19. Address | Hospital Address
20. City, State, Zip | City, State, Zip
21. Describe claimed injury or occupational illness in detail
22. Part of body affected | Name of object (machine, tool, etc.) or substance (chemical, etc.) involved
23. Nature of injury (cut, sprain, burn, etc.) | Type of accident (fall, struck by, bodily reaction, etc.)
24. What action has been taken to prevent reoccurrence?
25. Names of co-employees who may have witnessed claimed injury
26. Name of workers' compensation insurer, if not on form
27. Dated | Sign Here ►

Complete this section only if claimed injury or illness resulted in death
Name of next of kin | Relationship | Date of death
Address | City, State, Zip
Signed by (Include official title and phone)

SAMPLE

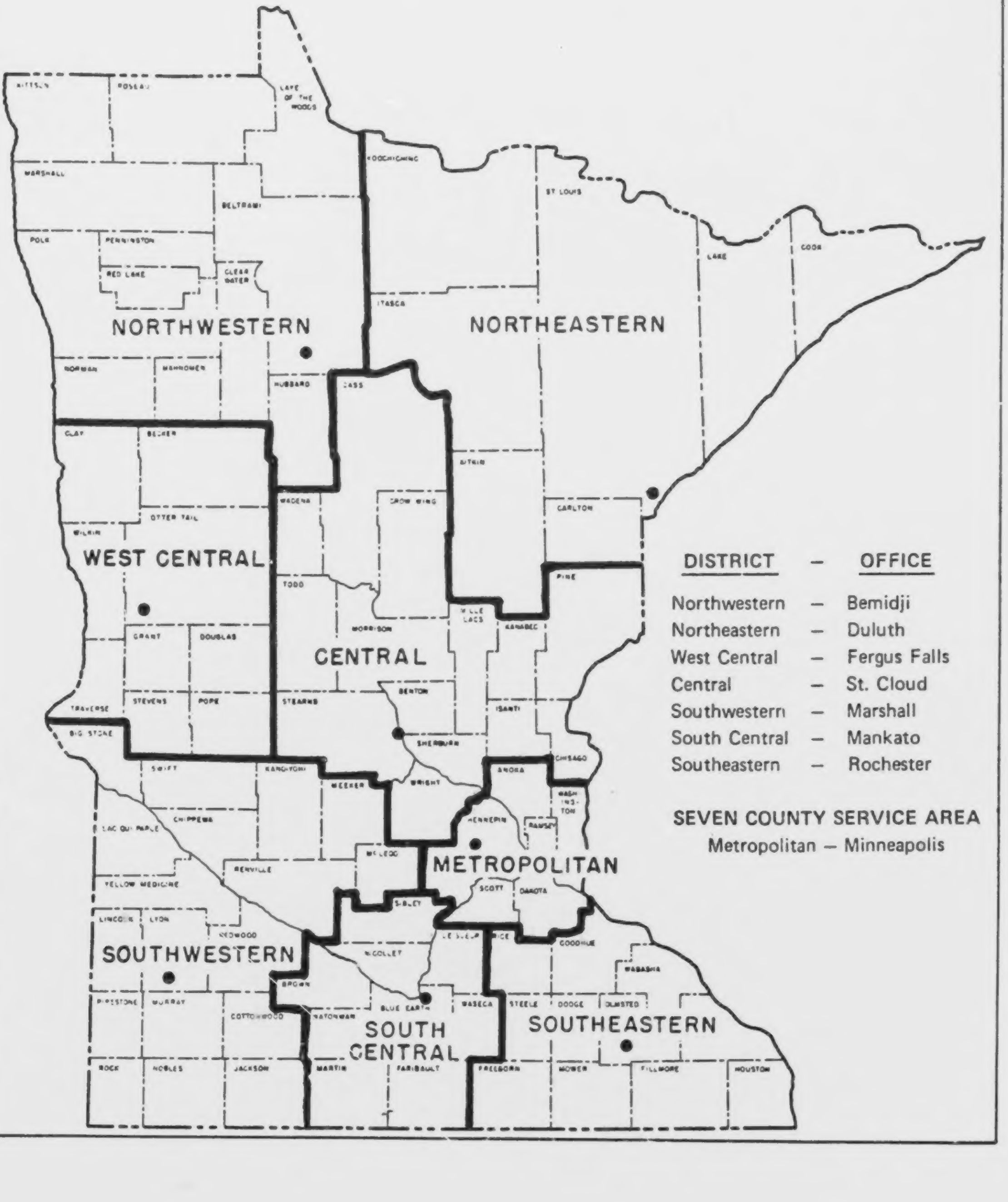
LI 20010-02
White, Canary — Worker's Compensation Division
Green — Insurer
Blue — Employer

APPENDIX D

MAP OF HEALTH DISTRICTS AND OFFICES

Figure 6

MINNESOTA DEPARTMENT OF HEALTH
HEALTH DISTRICTS AND OFFICES



DISTRICT	–	OFFICE
Northwestern	–	Bemidji
Northeastern	–	Duluth
West Central	–	Fergus Falls
Central	–	St. Cloud
Southwestern	–	Marshall
South Central	–	Mankato
Southeastern	–	Rochester

SEVEN COUNTY SERVICE AREA

Metropolitan – Minneapolis

APPENDIX E

COMPARABILITY RATIOS ACCORDING TO THE NINTH AND EIGHTH REVISIONS OF THE INTERNATIONAL CLASSIFICATION OF DISEASES

TABLE 32

COMPARABLE CATEGORY NUMBERS AND ESTIMATED COMPARABILITY RATIOS FOR 72 SELECTED CAUSES OF DEATH ACCORDING TO THE NINTH AND EIGHTH REVISIONS

Cause of death according to the Ninth Revision of the International Classification of Diseases, 1975	Category Numbers According to		Estimated compara-bility ratio[1] (3)	Standard Error of the Estimate in Column (3) (4)	95 percent confidence limits[2]	
	ICD-9 Revision (1)	ICDA-8 Revision (2)			Upper (5)	Lower (6)
Shigellosis and amebiasis	004,006	004,006	0.9818	0.0378	1.0559	0.9077
Certain other intestinal infections	007-009	008,009	0.1821	0.0207	0.2227	0.1415
Tuberculosis	010-018	010-019	0.7668	0.0119	0.7901	0.7435
Tuberculosis of respiratory system	010-012	010-012	0.8429	0.0146	0.8715	0.8143
Other tuberculosis	013-018	013-019	0.5077	0.0167	0.5404	0.4750
Whooping cough	033	033	0.8571	0.0000	0.8571	0.8571
Streptococcal sore throat, scarlatina, and erysipelas	034-035	034	1.4286	0.0000	1.4286	1.4286
Meningococcal infection	036	036	0.9788	0.0124	1.0030	0.9546
Septicemia	038	038	0.8500	0.0180	0.8853	0.8147
Acute poliomyelitis	045	040-043	0.5000	0.0000	0.5000	0.5000
Measles	055	055	0.9167	0.0000	0.9167	0.9167
Viral hepatitis	070	070	1.3986	0.0820	1.5593	1.2379
Syphilis	090-097	090-097	1.0089	0.0259	1.0598	0.9582
All other infectious and parasitic diseases	001-003,005,020-032, 037,039-041,046-054, 056-066,071-088,098-139	Remainder of 000-136	1.0321	0.0634	1.1563	0.9079
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	140-208	140-209	1.0026	0.0017	1.0059	0.9993
Malignant neoplasms of lip, oral cavity, and pharynx	140-149	140-149	1.0117	0.0087	1.0288	0.9946
Malignant neoplasms of digestive organs and peritoneum	150-159	150-159	1.0330	0.0035	1.0398	1.0262
Malignant neoplasms of respiratory and intrathoracic organs	160-165	160-163	1.0007	0.0033	1.0071	0.9943
Malignant neoplasm of breast	174-175	174	1.0089	0.0022	1.0131	1.0047
Malignant neoplasms of genital organs	179-187	180-187	1.0111	0.0031	1.0171	1.0051
Malignant neoplasms of urinary organs	188-189	188,189	0.9924	0.0045	1.0011	0.9837
Malignant neoplasms of all other and unspecified sites	170-173,190-199	170-173,190-199	0.9557	0.0082	0.9718	0.9396
Leukemia	204-208	204-207	1.0070	0.0056	1.0180	0.9960
Other malignant neoplasms of lymphatic and hematopoietic tissues	200-203	200-203,208,209	0.9385	0.0068	0.9519	0.9251
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature	210-239	210-239	1.2085	0.0261	1.2595	1.1575
Diabetes mellitus	250	250	0.9991	0.0087	1.0162	0.9820
Nutritional deficiencies	260-269	260-269	0.7167	0.0262	0.7680	0.6654
Anemias	280-285	280-285	0.9296	0.0124	0.9538	0.9054
Meningitis	320-322	320	0.9459	0.0163	0.9777	0.9141
Major cardiovascular diseases	390-448	390-448	1.0069	0.0004	1.0076	1.0062
Diseases of heart	390-398,402,404-429	390-398,402,404 410-429	1.0126	0.0039	1.0202	1.0050
Rheumatic fever and rheumatic heart disease	390-398	390-398	0.8648	0.0080	0.8804	0.8492
Hypertensive heart disease	402	402	3.3022	0.0557	3.4114	3.1930
Hypertensive heart and renal disease	404	404	1.2119	0.0438	1.2978	1.1260
Ischemic heart disease	410-414	410-413	0.8784	0.0038	0.8859	0.8709
Acute myocardial infarction	410	410	1.0003	0.0054	1.0108	0.9898
Other acute and subacute forms of ischemic heart disease	411	411	1.2224	0.0661	1.3519	1.0929
Angina pectoris	413	413	1.0484	0.0666	1.1789	0.9179
Old myocardial infarction and other forms of chronic ischemic heart disease	412,414	412	0.7533	0.0055	0.7640	0.7426
Other diseases of endocardium	424	424,428	1.2286	0.0227	1.2731	1.1841
All other forms of heart disease	415-423,425-429	420-423,425-427,429	2.5035	0.0257	2.5539	2.4531
Hypertension with or without renal disease	401,403	400,401,403	1.2703	0.0294	1.3280	1.2126
Cerebrovascular diseases	430-438	430-438	1.0049	0.0066	1.0178	0.9920
Intracerebral and other intracranial hemorrhage	431-432	431	0.9969	0.0068	1.0102	0.9836
Cerebral thrombosis and unspecified occlusion of cerebral arteries	434.0,434.9	433	1.0340	0.0222	1.0774	0.9906
Cerebral embolism	434.1	434	1.1211	0.0924	1.3022	0.9400
All other and late effects of cerebrovascular diseases	430,433,435-438	430,432,435-438	0.9948	0.0061	1.0067	0.9829
Atherosclerosis	440	440	1.0649	0.0246	1.1130	1.0168
Other diseases of arteries, arterioles, and capillaries	441-448	441-448	0.7409	0.0098	0.7600	0.7218

TABLE 32. COMPARABLE CATEGORY NUMBERS AND ESTIMATED COMPARABILITY RATIOS FOR 72 SELECTED CAUSES OF DEATH ACCORDING TO THE NINTH AND EIGHTH REVISIONS (CONT.)

Cause of death according to the Ninth Revision of the International Classification of Diseases, 1975	Category Numbers According to:		Estimated compara-bility ratio[1]	Standard Error of the Estimate in Column (3)	95 percent confidence limits[2]	
	ICD-9 Revision (1)	ICDA-8 Revision (2)	(3)	(4)	Upper (5)	Lower (6)
Acute bronchitis and bronchiolitis	466	466	0.8888	0.0274	0.9425	0.8351
Pneumonia and influenza	480-487	470-474,480-486	0.9264	0.0067	0.9394	0.9134
Pneumonia	480-486	480-486	0.9199	0.0076	0.9347	0.9051
Influenza	487	470-474	0.9714	0.0078	0.9866	0.9562
Chronic obstructive pulmonary diseases and allied conditions	490-496	490-493	1.8846	0.0150	1.9141	1.8561
Bronchitis, chronic and unspecified	490-491	490-491	0.9383	0.0134	0.9646	0.9120
Emphysema	492	492	0.9770	0.0127	1.0018	0.9522
Asthma	493	493	1.3544	0.0636	1.4790	1.2298
Other chronic obstructive pulmonary diseases and allied conditions	494-496	...2	3...	3...	3...	3...
Ulcer of stomach and duodenum	531-533	531-533	1.1192	0.0247	1.1675	1.0709
Appendicitis	540-543	540-543	1.0080	0.0264	1.0597	0.9563
Hernia of abdominal cavity and intestinal obstruction without mention of hernia	550-553,560	550-553,560	0.9432	0.0169	0.9762	0.9102
Chronic liver disease and cirrhosis	571	571	1.0110	0.0069	1.0245	0.9975
Cholelithiasis and other disorders of gallbladder	574-575	574,575	1.0494	0.0445	1.1366	0.9622
Nephritis, nephrotic syndrome, and nephrosis	580-589	580-584	1.7397	0.0777	1.8920	1.5874
Acute glomerulonephritis and nephrotic syndrome	580-581	580,581	0.2422	0.0186	0.2783	0.2061
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified	582-583,587	582-584	0.4954	0.0195	0.5336	0.4573
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause	584-586,588-589	582-584	1.6327	0.0958	1.8205	1.4449
Infections of kidney	590	590	0.9878	0.0091	1.0056	0.9700
Hyperplasia of prostate	600	600	1.0232	0.0226	1.0674	0.9790
Complications of pregnancy, childbirth, and the puerperium	630-676	630-678	1.1000	0.0436	1.1853	1.0147
Pregnancy with abortive outcome	630-638	640-645	3.8125	0.0000	3.8125	3.8125
Other complications of pregnancy, childbirth and the puerperium	640-676	630-639,650-678	0.9840	0.0454	1.0729	0.8951
Congenital anomalies	740-759	740-759	0.9984	0.0100	1.0179	0.9789
Certain conditions originating in the perinatal period	760-779	760-769.2,769.4-772, 774-778	1.0765	0.0236	1.1230	1.0300
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome	767-769	764-768,772,776	0.7483	0.0306	0.8083	0.6883
Other conditions originating in the perinatal period	760-766,770-779	Remainder of 760-778	1.4639	0.0371	1.5367	1.3911
Symptoms, signs, and ill-defined conditions	780-799	780-796	0.9102	0.0121	0.9338	0.8866
All other diseases	Residual	Residual	0.7786	0.0082	0.7947	0.7625
Accidents and adverse effects	E800-E949	E800-E949	0.9970	0.0030	1.0029	0.9911
Motor vehicle accidents	E810-E825	E810-E823	1.0117	0.0027	1.0169	1.0066
All other accidents and adverse effects	E800-E807,E826-E949	E800-E807,E825-E949	0.9841	0.0051	0.9941	0.9741
Suicide	E950-E959	E950-E959	1.0032	0.0042	1.0114	0.9950
Homicide and legal intervention	E960-E978	E960-E978	1.0057	0.0030	1.0115	0.9999
All other external causes	E980-E999	E980-E999	0.9675	0.0144	0.9957	0.9393

TABLE 33
COMPARABLE CATEGORY NUMBERS AND ESTIMATED COMPARABILITY RATIOS FOR 10 SELECTED CAUSES OF INFANT DEATHS ACCORDING TO THE NINTH AND EIGHTH REVISIONS

Cause of death according to the Ninth Revision of the International Classification of Diseases, 1975	Category Numbers According to		Estimated compara- bility ratio[1] (3)	Standard Error of The Estimate in Column (3) (4)	95 percent confidence limits[2]	
	ICD-9 Revision (1)	ICD-8 Revision (2)			Upper (5)	Lower (6)
All causes		...	1.0000			
Certain gastrointestinal diseases	008-009,535,555-558	004,006-009,535, 561,563	0.4678	0.0228	0.5125	0.4231
Pheumonia and influenza	480-487	470-474,480-486	0.7471	0.0200	0.7862	0.7078
Congenital anomalies	740-759	740-759	1.0071	0.0082	1.0191	0.9949
Disorders relating to short gestation and unspecified low birthweight	765	777	0.9630	0.0107	0.9839	0.9421
Birth trauma	767	764-768(0- 3),772	0.7154	0.0337	0.7813	0.6493
Intrauterine hypoxia and birth asphyxia	768	776.9	0.3270	0.0212	0.3684	0.2856
Respiratory distress syndrome	769	...	...	...	...	...
Other conditions originating in the perinatal period	760-764,766,770-779	Remainder of 760-778	0.8492	0.0098	0.8683	0.8301
Sudden infant death syndrome	798.0	...	...	...	...	...
All other causes	Residual	Residual	0.5455	0.0061	0.5573	0.5336

[1] Ratio of deaths assigned according to the Ninth Revision to deaths assigned according to the Eighth Revision.

[2] The probability is 95 percent that the true comparability ratio will have a value between the upper and lower limits shown. These limits were computed before the standard error was rounded to the fourth decimal.

[3] Chronic obstructive lung disease without mention of asthma, bronchitis, or emphysema (No. *519.3), introduced by NCHS to be used with the Eighth Revision, is comparable to Other chronic obstructive pulmonary diseases and allied conditions (ICD Nos. 494-496) of the Ninth Revision. The comparability ratio for this set of titles is 1.0054, with a standard error of 0.0118, a relative error of 1.2 percent, and 95 percent confidence limits of 1.0285 and 0.9823. These data are not shown in this table because there are no sample data for *519.3.

Source: *MONTHLY VITAL STATISTICS REPORT*, National Center for Health Statistics, DHEW Publication No. (PHS) 80-1120, Vol. 28, No. 11 Supplement, February 29, 1980, pp. 3-4, 12-13.